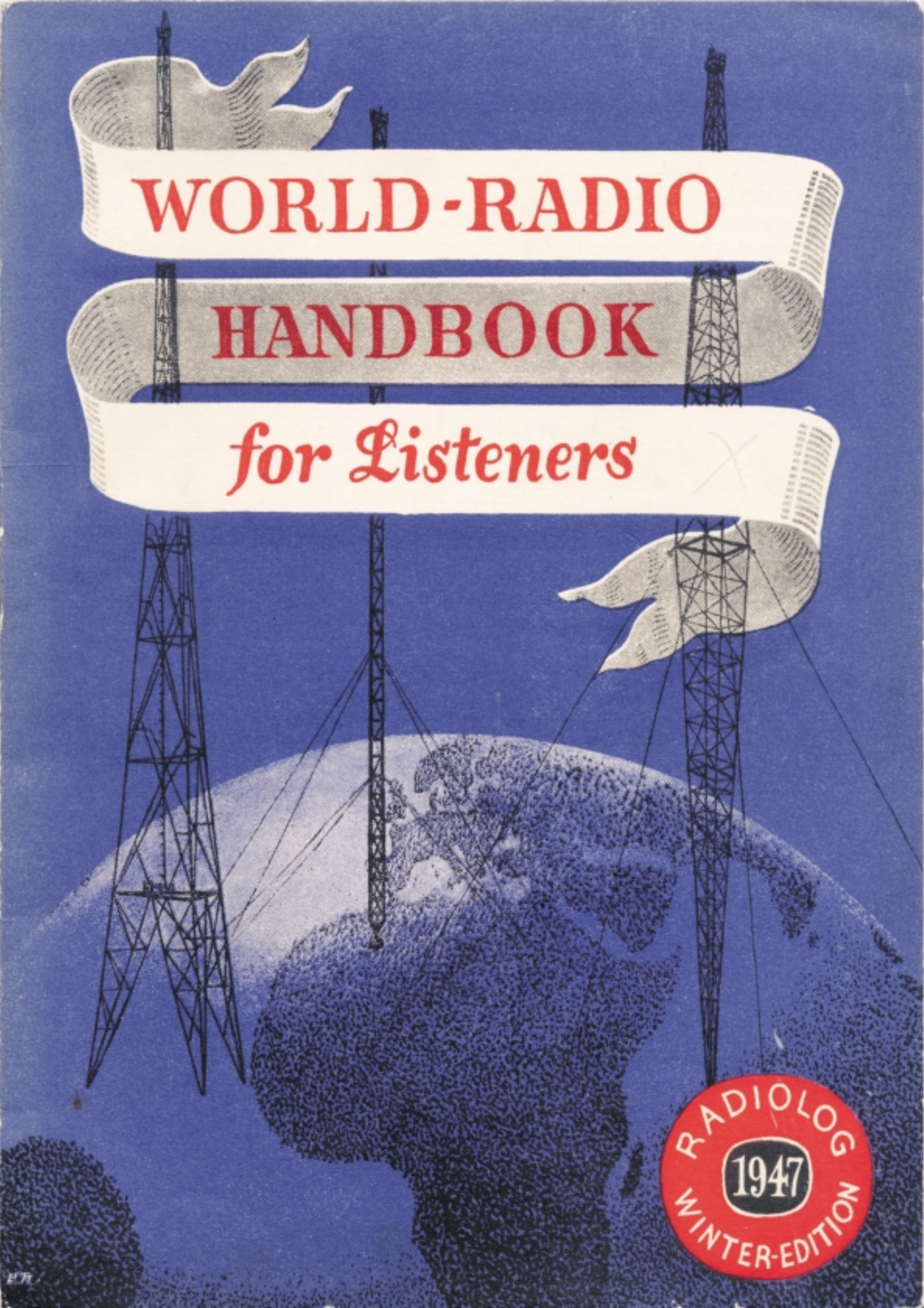
WORLD-RADIO HANDBOOK

for Listeners



GREETINGS TO »THE WORLD RADIO HANDBOOK FOR LISTENERS« FROM BROADCASTING ORGANIZATIONS AND BROADCASTING SOCIETIES *ALL OVER* THE WORLD:

I have read with sympathy your communication about the publication of your »World Radio Handbook for Listeners«.

I think it is a very happy initiative on your part and it comes just at a moment when the international broadcasting, which has grown more and more complicated and extensive, needs a concentrated work for the listeners and the senders in general with precise information about all points of view of World Broadcasting.

I think that your work will be able to contribute in a high degree to the exchange between the broadcasting services of all continents and between these services and the listeners individually and grouped in associations.

G. Conus,
President of the »Union Internationale de Radiodiffusion« (U. I. R.)

Broadcasting is one of the most powerful means at the disposal of peoples of goodwill for learning to understand and thus to love each other. It is the tool of Peace »par excellence«.

Informing the greatest number of people about all the possibilities offered by Broadcasting, describing its evolution and development and awakening an interest in Broadcasting in everyone therefore serves the cause of Peace.

For this reason the initiative of the Editor of this »World Radio Handbook« deserves the highest praise and should meet with great success.

Leo Wallenborn,
Secretary General, International Broadcasting Organization (I. B. O.)

In a world in which the radio occupies a position more and more important the »World Radio Handbook for Listeners« by Mr. O. Lund-Johansen will no doubt be of great use. What amateur would not after the troubled years of war be happy to see the manifold activities of the transmitters which overflow the world with music and words?

André Guery,
Directeur du Service des Auditeurs & de la Presse.
Institut National Belge de Radiodiffusion. Bruxelles.

The »World Radio Handbook for Listeners« should be well able to supply listeners the world over with practical information concerning the broadcasting activities of the various countries, their stations and their programmes. It represents a useful initiative and will without doubt be received by listeners and broadcast corporations with the interest it deserves.

F. E. Jensen.
Director for Danish State Broadcast.

There certainly is a great need for such a publication as your »World Radio Handbook«, and I can assure you that we are most interested in your plans. I feel sure that the handbook will be of interest to many in this country.

Tom Fairley,
Chief for Press Department. Canadian Broadcasting Corporation.

WORLD RADIO-HANDBOOK

for Listeners

including WHO's WHO in the World Radio

Published and edited
by
O. LUND JOHANSEN

WINTER-EDITION 1947
Summer-Edition 1948 *to be published in May*

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L'UNION INTERNATIONALE DE RADIODIFFUSION (U. I. R.)

Siège social, 37, Quai Wilson, Genève.

The International Broadcasting Union (IBU), founded in 1925 at Geneva, is the oldest international broadcasting organization. In 1939, it comprised some sixty active and associate members (European and the other Continents).

Since its foundation it has been the main aim of IBU to defend the interests of the broadcasting societies and to centralize the study of all radiophonic questions. In 1927 it created at Brussels its Wave Length Control Centre. Its various commissions (technical, juridical and programme) have displayed considerable activity.

In 1929, at Prague, IBU was appointed adviser and administrative technical expert on broadcasting matters. From 1925 until 1939 it elaborated various projects of plans for the distribution of frequencies, and collaborated with most of the international organizations in the technical, juridical and cultural fields etc. IBU has published a number of works and has collected an extensive literature on all aspect of broadcasting. It edits a monthly bulletin of information. On 22nd July 1947, IBU was admitted as an observer to the International Conference on Broadcasting at Atlantic City (USA).

INTERNATIONAL BROADCASTING ORGANIZATION (I. B. O.)

by *Leo Wallenborn*

Manager of the Administrative Office — and Secretary General of the I. B. O.

The International Broadcasting Organization (I. B. O.) was founded in Brussels on June 28th, 1946, as an international association with a scientific purpose, recognized by Belgian Law, by right of which it has acquired legal status. The permanent seat of the organization is in Brussels, 32, Avenue Albert Lancaster.

The I. B. O. is not a commercial enterprise. It aims at establishing ties and securing an interchange of information between those various organizations responsible for broadcasting services, promoting the interests of broadcasting, seeking by international cooperation a solution to any matter relating to broadcasting, and studying and working out all measures having as their aim the development of broadcasting.

All the activities of the Organization are carried out in accordance with the spirit of the United Nations Charter and do not constitute any interference with affairs falling within the exclusive competence of the Governments concerned.

Only governmental organizations or organizations having legal status which are responsible for a broadcasting service, or national groups of such organizations, may become members of the I. B. O. The members are divided into active members (one per country) and affiliated members. Only active members enjoy full social rights.

At the present time, twenty-eight (28) active members and one (1) affiliated member belong to the Organization.

The Organization is managed by: 1. the General Assembly — 2. the Board of Directors.

The General Assembly is formed by the whole of the organization's active members who are represented at these meetings by a delegate whom they appoint.

The Board of Directors is composed of at least seven members and not more than thirteen.

At present, the Board of Directors is composed of:

Chairman: Mr. Julien Kuypers (INR - Belgium) — *Vice-Chairmen:* Mssrs. M. Arbousov (Radio Committee U. S. S. R.), J. Meyer (Radiodiffusion Francaise).
Delegate to the Administrative Office: Mr. B. Lastovicka (Ceskoslovensky Rozhlas).
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Delegate to the Technical Centre: Prof. Balth. van der Pol (Netherlands), Chairman of the Technical Committee.
Deputy Directors: Mssrs. J. B. Broeksz (Netherlands), L. Daumard (France), Th. Fleischman (Belgium), J. Panski (Poland), Dr. K. Remes (Czechos'ovakia), A. Shchetinin (U. S. S. R.).
Important problems with which our Organization is concerned, are studied by Standing Committees or study groups. All members may take part in their work.
Since it was founded, the Organization has set up four Standing Committees: -Technical Committee — -Programmes Committee — -Juridical Committee — -Publications Committee.
The permanent services of the Organizations are: -The Administrative Office, and -The Technical Centre, each one working autonomously within the scope of the functions assigned to it and each Manager being responsible only to the Board of Directors.
Generally speaking, the *Administrative Office,* which is placed under my direction, is qualified to deal with all matters of an administrative, cultural or juridical nature; the Administrative Office administers the whole of the personnel and the patrimony of the Organization, performs the general secretaryship of the General Assembly and of the Board of Directors, as well as the secretariat of Committees and Study-Groups, with the exception of those dealing with technical matters, undertakes the administrative work of all the departments and, in particular, is responsible for the publication in three languages of the monthly DOCUMENTATION AND INFORMATION BULLETIN and other publications of the Organization, as well as for forming, keeping up to date, and preserving the documentation.
The functions of the *Technical Centre,* directed by Mr. Henri Anglès D'Auriac, assisted by Messrs. J. Houtsmuller and P. Kolessov, Assistant-Managers, are fourfold. Firstly, the Technical Centre operates the Brussels Checking Centre. The Centre belongs to the International Broadcasting Union (I. B. U.) who put it at the disposal of our Organization last June.
In accordance with agreements signed, the Checking Centre will not only extend its services to members of the I. B. O., but also to members of the I. B. U.
The Technical Centre furthermore proposes the participation of the I. B. O. in all International Conferences where decisions in the technical field are taken in connection with broadcasting or other services. It also performs the functions of technical expert in matters relating to Broadcasting or whenever the interests of Broadcasting may be opposed to those of other services using radio-frequencies.
These two last activities are usually performed on a recommendation by a Standing Technical Committee, on which all Organizations have the right to be represented; the secretaryship is taken on by the Technical Centre. The Technical Centre is also entrusted with exchanging technical information among the members of the Organization and, for this purpose, cooperates with the Administrative Office, for collecting documentation and editing the Bulletin and other publications of the Organization.
I shall conclude this bare description of the juridical structure and interior organization of the I. B. O. by stressing that it draws its income primarily from subscriptions and contributions paid by the members and accessorily from gifts, legacies, donations and subsidies, and from receipts deriving from the sale of its publications.

FOREWORD

The increasing importance and rapid growth of international broadcasting justifies the publication of a handbook which supplies practical information concerning the organisation and activities of the different broadcasting corporations. Development has caused international broadcasting to become so complicated and extensive that a World Radio Handbok must be of importance to both listeners and broadcasting companies. Its aim will be to give those interested practical information and instruction regarding what is going on in the ether at all hours of the day and night, and to provide the broadcasting corporations with such particulars of each others activities that the contents of the book will serve to promote the development of international broadcasting.

In composing this first edition of the World Radio Handbook for Listeners, I have made it my aim to solve this task. Its extent and the many difficulties and problems created by world conditions at present, have made it impossible for me from some countries to obtain all the information which I feel is desirable. The multiple commercial broadcasting stations found, amongst others, in Central and South America, which work with relatively slight strengths, are thus not furnished in this edition with as much detailed information as is the case with the more powerful stations.

In regard to the programme surveys, it is obviously impossible in this first edition to discover precisely the ideal form and limits, but a further revision of the material and an extension of the contact with the individual broadcasting companies will bring the next edition nearer to its goal.

Cooperation with broadcasting corporations and interested listeners is of the utmost importance in order to reach the best possible result. I therefore beg all those interested in broadcasting who obtain this book to send me their criticisms and wishes, which will be shown all possible consideration during the preparation of the next edition.

I have to express my thanks to »Det Danske Selskab« (»The Danish Council«) for the great interest it has evinced for this book and the valuable help given me in various ways by the Council. I have also to thank the »Tuborg Fund« for economic support, and Denmark's representatives abroad for their admirable assistance. In addition, I am indebted to the International broadcasting organisations U. I. R. Geneve (Union Internationale de Radiodiffusion) and I. B. O. Brussels (International Broadcasting Organisation) and numerous broadcasting stations all over the world for their interest and assistance.

November 1947. *O. Lund Johansen.*

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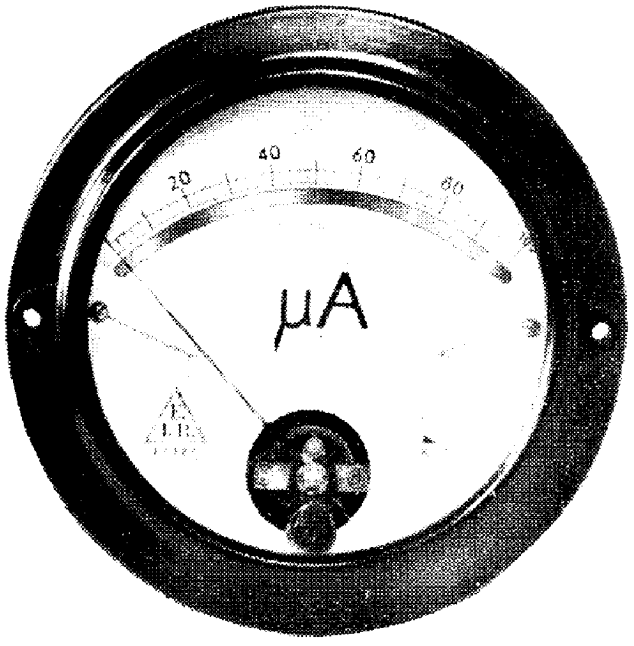

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The voice of Canada

Short-wave programmes in Czech, Danish, Dutch, English, French, German, Norwegian and Swedish are beamed regularly across the North Atlantic from the powerful transmitters of the International Service of the Canadian Broadcasting Corporation.

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INTRODUCTION

The practical information given in the following section concerning broadcasting in each individual country includes:

The difference in time between normal clock time in the country in question and Greenwich Mean Time. *All times listed in the surveys are Greenwich Mean Time (G. M. T.).*

The address of the broadcasting companies in question.

The names and titles of the leading personalities in each company.

The stations belonging to the company in question, giving their call-signs for short wave stations, frequencies, and corresponding wavelengths, together with the strengths expressed in kilowatts. For Europe, North Africa and the Near East all broadcasting stations are shown, and for other countries all short wave broadcasting stations.

Each short wave station has its own identification call-sign consisting of 3—5 letters or combinations of letters and figures, of which the first, or the two first, show the nationality. Some short wave stations, for example, the American, employ the identification call signs when announcing.

Long and medium wave stations are divided into *Main stations* which are so powerfull that they can generally be heard in the whole area of the country in question, and from which most of the broadcasting emanates, *Regional stations* which can be heard within a certain area of the country in question, and whose broadcasts consist partly of retransmissions of the programmes of the main stations and partly their own programmes, and finally, *Relay stations* which solely retransmit the programmes of main stations. The relay stations are the weakest, and are local stations which can only be heard within a small area.

Most of the short wave stations use dirigible antennæ, that is to say, broadcasts are directed towards particular areas, and these are therefore termed the various services: European service, Near Eastern, Middle Eastern, Far Eastern, Pacific, Latin-America, Caribbean service etc. The language and the frequency employed varies in accordance with the area to which the broadcast is directed.

Daily Programmes. Under this heading will be found information concerning the total broadcasting hours, *expressed in Greenwich Mean Time,* of the different frequencies employed during broadcasting hours, and a survey of the day's broadcasting.

Frequency and wavelength.

Frequency or wavelength are divided into following groups:

Long waves with frequencies from 133 kc/s (1961 metres) to 500 kc/s (600 metres).

Medium waves with frequencies from 500 kc/s (600 metres) to 3000 kc/s (100 metres).

Short waves with frequencies from 3000 kc/s (100 metres) to 30000 kc/s (10 metres).

Megacycles, kilocycles, metres are three different terms for the wave length. 1 megacycle is equal to 1000 kilocycles. Megacycles are changed to kilocycles by multiplying megacycles by 1000. Kilocycles are changed to megacycles by dividing kilocycles by 1000. Kilocycles are changed to metres by dividing by 300000. Metres are changed to kilocycles by dividing by 300000. Metres are changed to megacycles by dividing by 300. — Kc/s means kilocycles per second = 1000 oscillations per second.

Short waves are divided into the following metre bands (m. b.):

49 metre band — 41 metre band — 31 metre band — 25 metre band — 19 metre band — 16 metre band — 13 metre band and 11 metre band.

Many short wave stations lie outside these bands. The 60 and 80 metre bands are used for local broadcasting, i. e. for reception over relatively short distances like, for example, South and Central American stations and stations in Central Africa.

In order at all times to obtain the best possible reception of shortwave broadcasts, stations change the frequency used at different times of the day and night; the season of the year is also a factor when settling the size of a frequency.

How to tune in to your favourite shortwave station.

Practice is required to adjust the receiver correctly to a shortwave station. A movement of only a hair's breadth may give the correct adjustment. When a shortwave station is found it must be finely adjusted by gently turning the scale button backwards and forwards, whilst at the same time screwing up the volume control so much that the station in question can be identified. If the scale button is turned too quickly a weak station may be missed.

Reception conditions for shortwaves can be very capricious. After listening to a far-distant station for a short time it can disappear entirely (fades), and does not come again immediately.

The same broadcast is often sent simultaneously on several wavelengths. Should you have adjusted the receiver to the station to which you wish to listen and reception is unsatisfactory, try the other wavelengths used by the station during the period in question.

How to identify a shortwave station.

Should you chance to hit upon a station which you wish to listen to and identify, do as follows: Read the approximate frequency, which is given in megacycles, kilocycles or metres. Look in the frequency table for the stations lying in the vicinity of the frequency. When you have limited the station to one or two possibilities and observed the programme and language, check these against the programme surveys.

QSL Card.

As shown in the survey of the various broadcasting countries, many of the stations are interested in receiving reports from listeners concerning their broadcasts. Stations acknowledge these by sending listeners a QSL card.

Many shortwave listeners make a hobby of collecting these QSL cards. Such reports can in most cases be drafted in English, but to the South and Central American countries preferably in Spanish. The report should contain information concerning wave length, date, time, programme listened to, intelligibility, and strength. *Greenwich Mean Time (G. M. T.) is employed in giving the time.* — The complete address for each station will be found under the various surveys of the countries broadcasting.

The following descriptions are used:

Strength.

The strength of the signal received is shown by the code group QRK — from QRK1 to QRK9.

Intelligibility.

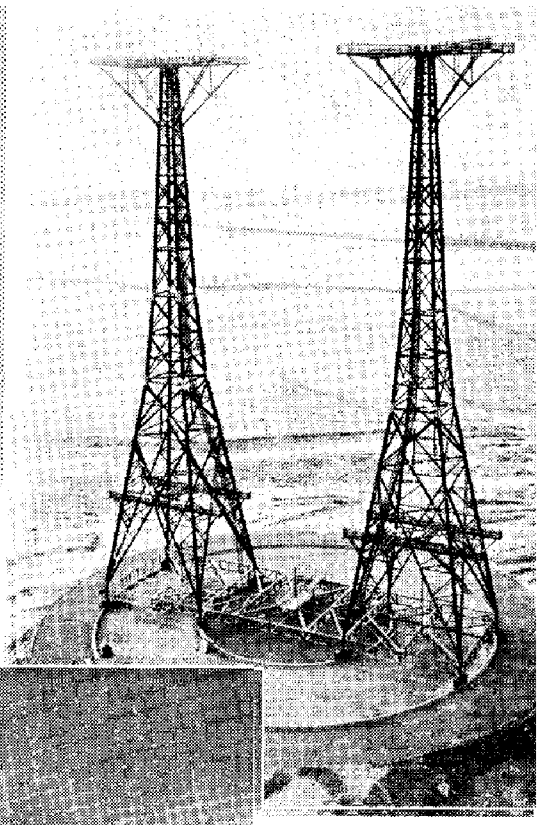
QSA1 — unintelligible
QSA2 — partly unintelligible
QSA3 — intelligible with difficulty
QSA4 — quite intelligible
QSA5 — easily intelligible

Interferens:

QRM — interferens from another station
QRN — atmospheric interference
QSB — variable strengths (fading)

The famous American singer Eddie Cantor, who often can be heard in the programmes from American Forces Network in Germany.

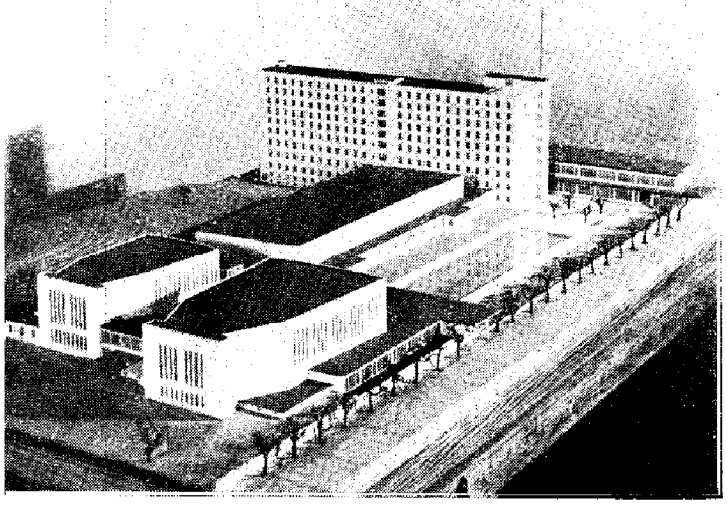
From the Danish broadcasting studio: Lilian Harvey sings in the "Week-End" broadcast, which takes place every Saturday at about 21.00.



Dirigible aerials of PCJ shortwave station at Huizen Holland.

B. B. C.'s Overseas News Service: While John Marsh reads the news, a subeditor (W. T. Webb) "feeds" the item to him in the correct order.

Model of the coming new broadcasting house at Stockholm.



EUROPE

ALBANIA

Normal Clock Time — G. M. T. plus 1 hour.

Address: Direction Centrale de la Radiodiffusion d'Albanie, Rue Conference de Peza 3, Tirana.

Stations:

Tirana	1500 kc/s	200	m	1 kW
Tirana	7895 kc/s	38	m	3 kW
Korea	6257 kc/s	47	m	3 kW
Shkodra	8216 kc/s	36.5	m	3 kW

Daily Programmes in Albanese on 200 m from 05.40-07.45, 12.00-22.00.

Daily News in different languages on 38 m from 19.30-22.00. *English* from 20.00-20.30.
From 22.00-22.20 Relay from Tirana and from 22.20-22.45 Programme for Albanians abroad.

Interval Signal: A raising and falling cadence of 12 musical notes.

ANDORRA

Normal Clock Time — G. M. T. plus 1 hour.

Address: Emisiones de Radio-Andorra, Roc de los Anelletes, Andorra la Vieja, Principado de Andorra.

Leading Personalities: President: Mr. Dolores Vita Llobet, General Manager: Mr. Estanislo Puiggros Comas.

Stations: Radio Andorra.

704 kc/s	426.1 m	60 kW
5980 kc/s	50.16 m	25 kW
9330 kc/s	32.15 m	25 kW

Daily Programmes: from 11.30-14.00, 18.00 24.00.

Special Programmes on Shortwave:
19.35 Belgian Music. 21.30 Swiss Music. 23.15 Anglo-Saxon Music.

Announcement in Spanish and French: In Spanish: "Aqui Radio Andorra".

Interval-Signal: Gong.

AUSTRIA

Normal Clock Time — G. M. T. plus 1 hour.

Stations:

I American Zone:

Linz KOFA	629 kc/s	477 m	1 kW[1])
Vienna WOFA	1068 kc/s	281 m	1 kW[1])
Salzburg KZCA	1104 kc/s	271 m	1,3 kW[1])
Salzburg	1267 kc/s	236.8 m	5 kW[2])
Linz	1294 kc/s	231.8 m	15 kW[2])
Vienna	1429 kc/s	209.9 m	1 kW[2])
Vienna	9563 kc/s	31.37 m	1 kW[2])

[1]) Blue Danube Network.
[2]) Rot-Weiss-Rot.

II British Zone:

Klagenfurt	565 kc/s	531 m	0,75 kW[1])
Graz	565 kc/s	531 m	0,75 kW[1])
Vienna	868 kc/s	345 m	0,8 kW[1])
Alpenland	886 kc/s	338.6 m	100 kW[2])
Graz	1285 kc/s	233.4 m	15 kW[2])
Klagenfurt	1285 kc/s	233.4 m	7 kW[2])

[1]) British Forces Network.
[2]) Sendergruppen Alpenland.

III French Zone:

Dornbirn	519 kc/s	578 m	6 kW[1])
Innsbruch	519 kc/s	578 m	2 kW[1])
Vorarlberg	6145 kc/s	48.82 m	0,2 kW[1])

[1]) Sendergruppe West.

IV U.S.S.R. Zone:

Vienna I	592 kc/s	506.8 m	10 kW[1])
Vienna II	1312 kc/s	228.6 m	10 kW[1])
Vienna I	6155 kc/s	48.74 m	0.3 kW[1])
Vienna II	7175 kc/s	41.80 m	0.25 kW[1])
Vienna III	9664 kc/s	31.04 m	0.25 kW[1])
Vienna IV	11785 kc/s	25.45 m	0,2 kW[1])

[1]) RAVAG.

American Zone

THE BLUE DANUBE NETWORK

Address: Radio Station WOFA, Vienna.
Radio Station KOFA, Linz.
Radio Station KZCA, Salzburg.

Leading Personalities: Chief of Blue Danube Network: Captain Robert Cranston. Chief of Operations BDN: Mr. Bill Willey. Station Manager of KOFA Linz: Mr. Joseph P. Welsh. Station Manager of KZCA Salzburg: T/4 Monroe Hayes.

Daily Programmes: *Weekdays:* 05.00-23.00. *Sundays:* 06.00-00.23.00.

Weekdays:	*Sundays:*
05.00 Music	06.00 Music
06.30 World News	07.20 Music
06.45 Music	08.30 Repeat Performance
08.30 Repeat Performance	09.00 World News
09.00 Music	09.03 Organ Music
10.00 The Judge is You	09.30 Music
10.30 Music	10.00 Blue Danube Chapel
11.00 World News	11.00 World News
11.15 Music	11.10 Local News
15.00 Concert House	11.15 Music
16.45 Your Vienna Reporter	12.30 This World this Week
17.00 World News	12.45 Music
18.15 Music	13.00 Symphonies of the World
19.00 Report from Europe	
21.30 News Round Up	17.00 World News
21.45 Words with Music	17.05 Musical Shows
22.00 Radio Theatre	20.00 World News
22.30 Music	22.00 Music

Announcement: "A Radio Service for United States Forces in Austria, this is the Blue Danube Network". (This network cue is read at intervals of 30 minutes.) Each Radio Station makes its own station break after completion of each show: "You are tuned to your American station WOFA Vienna (or: KOFA Linz, or: KZCA Salzburg)".

SENDERGRUPPE ROT-WEISS-ROT

Address: Sendergruppe Rot-Weiss-Rot, Hofstallsgasse 5, Salzburg. Promenade 23, Linz, and Seidengasse 13, Wien VII.

Leading Personalities: Programme-Director: Mr. Alexander Steinbrecher. Chief Engineer: Dr. Stamminger.

Daily Programmes: *Weekdays:* 04.57-13.30, 15.00-23.00. *Sundays:* 05.57-23.00

Weekdays:	*Sundays:*
05.00 News	06.00 News
05.30 Music	07.00 News
06.00 News	07.15 Programme Preview
06.15 Programme Preview	11.45 Press Review and Local News
11.30 Press Review	
11.45 News	12.00 News
17.00 "Melodie und Rhythmus"	12.15 Music
	17.45 "This is America"
17.45 "This is America"	18.45 News
19.00 News	22.00 America calling
22.00 America calling	22.15 Programme Preview
	22.55 News

Announcement: "Hier ist der Sendergruppe Rot-Weiss-Rot, Salzburg auf Welle 236.8 m, Linz auf Welle 231.8 m, Wien auf Welle 209.9 m und der Kurzwellensender im 31 Meter Band."

Interval-Signal: The first two bars of the march: "O, Du mein Oesterreich".

British Zone

SENDERGRUPPE ALPENLAND

Address: Sendergruppe Alpenland, Funkhaus Graz, Zuserthalgasse 14 a, Graz.

Leading Personalities: Programme Director: Dr. Harald Schelbel. Chief Producer: Adolf Boehmer. Chief Engineer: Ing. Hans Gangl.

Stations:

Alpenland	886 kc/s	338.6 m	100 kW
Graz	1285 kc/s	233.4 m	15 kW
Klagenfurt	1285 kc/s	233.4 m	7 kW

Daily Programmes:
Weekdays from 05.00-08.00, 09.30-13.00 and 15.00-23.00.
Sundays from 05.00-23.00.
News at 05.00, 06.00, 07.00, 07.55, 12.00, 16.00, 19.00 and 21.00.

Announcement: In *German:* "Hier spricht der Sender Alpenland, angeschlossen die Sender Graz und Klagenfurt". In *English:* "Here is the Alpenland transmitter, combined with Graz and Klangenfurt".

Interval-Signal: The first sounds of the Styrian song: "Hoch vom Dachstein an".

Message to Listeners: "Radio Alpenland will be grateful for any reception reports listeners will send."

BRITISH FORCES NETWORK

Address: C 13 Forces Broadcasting Station, APO. S. 564 CMF, Vienna.

Leading Personalities: B. J. in Graz Capt. Stowell. Station Commander: Lieut. Jennings.

Daily Programmes:
Weekdays from 05.55-07.30, 09.30-23.00
Sundays from 06.55-22.00.

Announcement: Opening melody: "Rule Britannia". Closing melody: "The King". Text: "Good morning everyone. This is the British Forces Network, Austria, operating from stations in Klagenfurt, Graz and Vienna.

French Zone

SENDERGRUPPE WEST FRENCH ZONE

Address: Oesterreichischer Sender Vorarlberg, Dornbirn, Rathausplatz 1.

Leading Personalities:
Vorarlberg: Bundesrat Eugen Leissing and Director of Programmes: Mr. Ludwig Standl.
Innsbruck: Dr. Arthur v. Schuschnigg and Engineer Bucek.

Stations:

Radio Vorarlberg-Dornbirn	519 kc/s	578 m	6 kW
Radio Innsbruck	519 kc/s	578 m	2 kW
Radio Vorarlberg S. W.	6020 kc/s	49.83 m	0,2 kW

Daily Programmes: *Weekdays* from 05.00-08.15, 09.20-12.45, 15.45-23.00. *Sundays* from 06.00-23.00.

05.00 News	12.15 Music
05.15 Music	15.45 Progr. Preview
06.00 News	16.00 Music
06.15 Progr. Preview	18.00 News
06.20 Music	18.15 France speaks to Austria
08.00 News in French	21.00 News
10.15 Music	21.15 Progr. Preview
11.40 News	21.30 Music
12.00 News in French	

Highlights of Programmes:
Symphony Concert: Wedn. at 21.00.
Volkskunst aus Oesterreich: Sun. at 16.30.

Announcement: "Oesterreichische Sendergruppe West, Radio Vorarlberg und Radio Innsbruck."

Interval-Signal: *Innsbruck:* Harfenspiel "Mein schönes Innsbruck am grünen Inn." Closing with the "Kaiserjägermarch".
Dornbirn: The first movement of "Theresianische Messe". Closing with "Gute Nacht - Lied".

U. S. S. R. Zone

Normal Clock Time — G. M. T. plus 1 hour.

RAVAG

Address: Ravag, Argentinierstrasse 30 A, Wien IV.

Leading Personalities: Oeffentlicher Verwalter für das österreichische Rundspruchwesen Dr. Siegmund Guggenberger.

DAILY PROGRAMMES from Vienna I.
On 506.8 m and 25.45 m: *Weekdays* from 04.55-07.15 and 09.00-23.05.
Sundays from 04.55-23.05.
On 48.74 m: *Weekdays* except *Thursdays* and *Fridays* from 04.55-07.15 and 09.00-23.05.
Tuesdays and *Fridays* from 04.55-07.15, 09.00-18.10 and 19.00-23.05.
Sundays from 04.55-23.05.

On 31.04 and 41.80 m: *Daily* from 22.30-23.05.

Weekdays:	19.00 News
05.00 News	19.20 Music or Play
05.10 Music	21.00 News
05.45 Music	21.20 Music
06.00 News, Programme Preview	21.40 Broadcast from Moscow, Music
06.15 Music	22.55 Progr. Preview for the next day
09.00 Music	23.00 News
09.30 For Schools	
09.50 Music	
10.00 For Women	*Sundays:*
10.15 Music	05.00 News
11.00 "Das heutige Leitartikel"	05.10 Music
	06.10 News
12.00 News	06.15 Music
12.15 Music	07.30 Literature
13.15 Request Concert	08.45 Religious Service
15.00 Music	09.00 Messe
15.55 Progr. Preview	10.00 For the Farmers
16.00 News	10.45 Music
18.00 Stimme des Zeit	12.00 News
18.10 Talk of Sovjet (exc. Thursd. and Sat.)	12.45 Music
	13.00 Chamber Music
18.30 "Das Echo des Tages"	14.00 Music

14.30 For Youth	18.30 Talk
15.00 Music	19.00 News
15.55 Progr. Preview	19.20 Russian Programme
16.00 News	21.00 News
16.10 Music	21.20 Dance Music
17.00 Ruf der Heimat	21.40 Progr. from Moscow
17.15 Foreign Political Weekly Report	22.50 Progr. Preview for the next day
17.30 Music	23.00 News

Highlights of Programmes:
"Wir laden ein": Saturdays at 19.20
"Radio-Theatre": Fridays at 19.20

DAILY PROGRAMMES from Vienna II.
On 228.6 m, 31.04 m and 41.80 m: *Weekdays* from 15.00-22.30. *Sundays* from 06.00-22.30.

Weekdays:	*Sundays:*
15.10-16.00 Relay Vienna I	06.00 News
16.10 Music	06.15 Music
17.00 Talk	10.45 Music
17.20 Scientific News	12.00 News
17.25 Talk	13.00 Music
18.00 Music	15.00-16.10 Relay Vienna I
18.10 Relay Vienna I	16.10 "Funkmagazin"
18.30 Music	17.00 Music
19.00 News	19.00 News
21.00 News	21.00 News
	21.30 Dance Music

Highlights of Programmes:
"Modern Music and Poetry" on Mondays at 19.20
"Chamber Music" on Tuesdays at 19.20
"Orchestra-concert" on Wednesdays and Thursdays
"Symphony Concert and Piano" on Saturdays at 19.20

EUROPEAN SERVICE
On 31.04 and 41.80 m every *Monday:*
16.30-17.00 "Grüssaktion nach Rusland".

On 48.74 m every *Tuesday* and *Friday:*
18.10-19.00 Information in Lithuanian, Latvian and Esthonian Languages. (Only Thursdays and Fridays).

Announcement: "Hier ist Radio Wien auf ..... (Wavelengths).

Interval-Signal: Tick-tack of an alarm clock.

Message to Listeners: "We specially refer all foreign listeners to our "Grüss- und Suchdienst".

BELGIUM

Normal Clock Time — G. M. T.

Address: Institut National Belge de Radiodiffusion, Place Eugene Flagey 18, Brussels.

Leading Personalities: The President of the Conseil de Gestion: Minister of Communication: Mr. Achiel van Acker. *Flemish Dept.:* Director General: Mr. Jan Boon. Director of Music: Mr. Paul Gollaer. *French Dept.:* Director General: Mr. Theo Fleischmann. Asst. Director General: Mr. Roger Clausse. Director of Music: Mr. Rene Tellier. *Overseas Dept.:* Director Mr. Frans Zoete. *Technical Dept.:* Director General Mr. Fernand Mortiaux. Asst. Director General: Mr. Georges Hansen.

Stations:
French transmissions:

Brussels I	620 kc/s	483.9 m	20 kW
Brussels IV	868 kc/s	345.6 m	10 kW
Namur	1492 kc/s	201.10 m	0,3 kW
Radio Hainaut	1492 kc/s	201.10 m	0,25 kW
Liége	1140 kc/s	263.2 m	0,25 kW

Flemish transmissions:

Brussels II	932 kc/s	321.9 m	20 kW
Brussels III	1285 kc/s	233.5 m	5 kW
Ghent	1465 kc/s	204.8 m	0,2 kW
Courtrai	1483 kc/s	202.3 m	0,2 kW
Antwerp	1465 kc/s	204.8 m	0,2 kW
Hasselt-Limbourg	1483 kc/s	202.3 m	0,2 kW

Shortwave stations:

Ruyselede	17845 kc/s	16.85 m	5 kW
Ruyselede	21450 kc/s	13.98 m	5 kW
Leopoldville	(See Belgian Congo, Africa)		

Daily Programmes in French from Brussels I
Weekdays from 05.30-08.30, 11.00-13.00, 16.00-22.00 (Sat. 23.00).
Sundays from 05.30-23.00. **Brussels IV** *from 05.30-08.30, 11.00-13.30 and 18.00-19.00.*

05.30 Music	17.00 For Troops (Weekdays)
05.45 Exercise	17.00 Records (Sundays)
06.00 News	17.30 Music (Weekd.)
06.10 Music	18.40 News
06.45 Exercise	19.00 Music
07.00 News, Music	21.00 News
08.10 Symphonic Records	21.10 Music
11.08 Music	21.55 News
12.00 News	22.00 Dance Music (Sat. and Sun.)
12.15 Records	
16.05 Music (Weekdays)	
16.30 For Troops (Sundays)	

Hainault from 11.00-13.00, 17.10-22.00 (Relay and Regional)

Liége from 11.00-13.00, 17.10-22.00 (Relay and Regional)

Namur Weekdays from 09.00-11.00, 14.00-16.30, 19.00-22.00 only Tuesd. and Thursd.
Sunday from 09.00-11.00, 14.00-22.00 (Relay and Regional)

Brussels IV: 05.30-22.00 (Sund. 23.00) (Relay and Regional)

Highlights of Programmes: Symphonic Concert: Wednesday at 19.00. Radio play in French: Thursday at 19.00.

Daily Programmes in Flemish for Brussels II:
Weekdays from 05.30-09.00, 11.00-14.00, 16.00-22.00
Sundays from 05.30-16.00, 16.30-23.00

05.30 Music	12.00 News
06.00 News	12.15 Music
06.20 Exercise	16.05 News, Commentary
06.30 Music	17.30 For Troops (Weekd.)
06.50 Exercise	17.30 Religious Service (Sun.)
07.00 News	18.00 News. Press Review
07.15 Music	19.00 Music
07.30 Chronicle (Sun.)	20.00 Topical
07.40 Music (Sun.)	20.15 Music
08.00 News	21.00 News
08.15 Music (Weekd.)	21.15 Music
08.15 Music (Sun.)	21.50 News (Weekd.)
10.45 Radio Journal (Sun.)	22.00 News (Sun.)
11.00 Music	

Brussels III from 13.00-16.00 Regional: 18.00-22.00 (Sundays 23.00) Relay Brussels II
Ghent 09.00-11.55, 16.00-22.00 (Relay and Regional)
Anvers from 09.00-15.55, 16.00-22.00 (Relay and Regional)
Courtrai: 05.45-08.00, 13.00-21.00 (Relay and Regional)
Hasselt: 15.00-17.50 or 17.55-21.15 (Relay and Regional)

Highlights of Programmes: Symphonic Concerts: Friday at 19.00. — Chamber Music or Choir: Monday at 19.00.

Daily Programmes *on shortwave from Ruyselede:*
National programme and information to be relayed on shortwave by OTC and OTM.
On 13.98 m from 11.00-12.30, 16.00-17.00
On 16.85 m from 18.55-20.00
The interval between these periods is filled with telegraphic and telephonic traffic Brussels-Leopoldville on behalf of the Belgian Post Office.

Announcement in French: "Ici Radiodiffusion Nationale Belge". In Flemish: "Belgische Nationale Radio-Omroep". — For Ruyselede: "Allo Leopoldville — Ici Brussels, Service Mondial de l'. I. N. R.".

Interval-Signal for Brussels I: Extract from Grétry's famous melody "Ou peut-on etre mieux". For Brussels II: The first movement of "Beiaardlied (Extract of Rubens' cantata of Peter Benoit).

BULGARIA

Normal Clock Time — G. M. T. plus 2 hours.

Address: Direction de Radiodiffusion, Radio Sofia, Sofia.

Leading Personalities: Director of Bulgarian Broadcasting: Mr. Carlo Lukanov. Director of Programmes: Mr. Tchudomir Petrov. Technical Director: Mr. Gantcho Pushkarov. Chief of Programme and Liaison Dpts.: Mr. Milko Angelov. Chief of Musical Dpt.: Mr. Boyan Economov.

Stations:

Radio Sofia I	850kc/s	352.9 m	100 kW
Radio Sofia II	767 kc/s	391.0 m	15 kW
Radio Sofia III	9350 kc/s	32.09 m	5 kW
Stara Zagora	1402 kc/s	214.0 m	2 kW
Radio Varna	1276 kc/s	235.1 m	2 kW

Daily Programmes:
Sofia I: National from 04.30-05.30, 10.00-12.30 and 16.00-20.50.

03.55 Progr. Preview
04.00 News
04.10 Exercise
04.30 Folk Songs
05.00 News
05.20 Children's Hour
09.55 Progr. Preview
10.00 Press Review
10.10 Music
10.50 Folk Songs
11.30 News
11.50 Songs
12.00 Music
13.30 News in Roumanian (exc. Sun.)
15.25 Progr. Preview
15.45 News in Turkish
16.15 Music
16.30 Music (Sun.)
18.30 News
19.00 La Société-Bulgaro-Soviétique (Sun.)
20.10 Music
20.30 News
20.45 Progr. Preview

Highlights of Programmes:
Sofia I:
Every *Wednesday* at 17.00: Relay of Opera from the National Theatre.
Every *Tuesday* at 19.10: Folk songs and 19.50: Concert of Slav Music.
Sofia II:
Every *Tuesday* at 17.00: Broadcast of Symphony-Concert.

Daily news and various features of Bulgarian life from Bulgaria in foreign languages:
Radio Sofia I: 20.50-21.40.
Radio Sofia II: 06.30-08.00,15.55-20.30 (Sun. 21.00).
Radio Sofia III: 19.00-20.40 and 21.40-22.00.

18.50-19.00 Esperanto (on Tuesdays and Fridays).

19.00 Russian	20.00 Albanian	21.10 Polish
19.10 Turkish	20.10 Czech.	21.20 Serbian
19.20 Polish	20.20 French	21.30 Czech.
19.30 Roumanian	20.30 English	21.40 French
19.40 Greek	20.50 Turkish	21.50 English
19.50 Serbo-Croat	21.00 Russian	

Announcement: *Opening:* A Bulgarian march and "Govori Sofia, Govori Sofia." In *French:* "C'est Sofia qui parle." In *English:* "This is Radio Sofia of the Bulgarian Broadcasting System."

Interval-Signal: The first notes of a popular song.

Message to Listeners: "We request all listeners to send us reports on the reception of our transmissions. We would appreciate greatly comments, suggestions and criticism. Your reports will be duly acknowledged with our QSL card or a letter."

CZECHOSLOVAKIA

Normal Clock Time — G. M. T. plus 1 hour.

Address: Czechoslovak Broadcasting Corporation (Ceskoslovensky rozhlas), Stalinova 12, Praha XII.

Leading Personalities: Director General: Mr. Bohuslav Lastovicka. Director of Administration: Dr. Karel Remes. Director of Programmes: Dr. Mirko Ocalid. Technical Director: Dr. Ladislav Janik.

Stations:

Prague	155 kc/s	1935 m	10 kW
Prague I (Liblice)	638 kc/s	470.2 m	120 kW
Prague II (Melnik)	1113 kc/s	269.5 m	60 kW
Plzen	514 kc/s	583 m	15 kW
Ceske Budejovice	1366 kc/s	219.6 m	5 kW
Brno-Dobrochov	922 kc/s	325.4 m	100 kW
Brno-Komarov	922 kc/s	325.4 m	20 kW
Moravska Ostrava	1158 kc/s	259.1 m	11 kW
Bratislava	1004 kc/s	298.8 m	50 kW
Banska Bystrica	392 kc/s	765.3 m	25 kW
Kosice	1438 kc/s	208.6 m	2 kW*)
Tatry	1176 kc/s	255 m	2 kW

*) Projected to 100 kW

Shortwave: Station Podebrady, 34 kW.

OLR2A	6010 kc/s	49.92 m	OLR4C	11875 kc/s	25.26 m
OLR2B	6030 kc/s	49.75 m	OLR4D	11900 kc/s	25.21 m
OLR2C	6115 kc/s	49.06 m	OLR5C	15160 kc/s	19.75 m
	6170 kc/s	48.62 m	OLR5A	15230 kc/s	19.70 m
OLR3B	9504 kc/s	31.57 m	OLR5B	15320 kc/s	19.58 m
OLR3A	9550 kc/s	31.41 m		17830 kc/s	16.83 m
	9670 kc/s	31.02 m	OLR6A	21450 kc/s	13.99 m
OLR4B	11760 kc/s	25.51 m		21565 kc/s	13.91 m
OLR4A	11840 kc/s	25.34 m		21640 kc/s	13.86 m

Hours of Transmission for Long- and Mediumwave:
Weekdays (except Saturdays):

Prague÷Longwave	from	04.00-07.00, 15.30-18.30
Prague I Liblice	-	04.00-07.20, 08.40-13.15, 15.30-23.00
Prague II Melnik	-	04.00-07.00, 09.00-14.30, 15.30-22.30
Brno-Dobrochov	-	04.00-07.00, 09.00-14.30, 15.30-22.30
Brno-Komarov	-	04.00-07.00, 09.00-14.30, 15.30-22.30
Moravska Ostrava	-	04.00-07.00, 09.00-14.30, 15.30-22.30
Ceske Budejovice	-	04.00-07.20, 08.40-13.00, 14.30-22.30
Plzen	-	04.00-07.20, 08.40-13.00, 14.30-22.50

Saturdays:
Prague - Longwave from 04.00-07.20, 15.30-18.30
Prague I Liblice - 04.00-07.20, 08.40-13.00, 14.00-23.00
Prague II Melnik - 04.00-07.00, 09.00-14.00, 16.00-23.00
Dobrochov, Plzen - 04.00-07.00, 09.00-13.00, 16.00-23.00
Ceske Budejovice - 04.00-07.00, 09.00-13.00, 16.00-23.00
Moravska Ostrava - 04.00-07.00, 09.00-13.00, 16.00-23.00
Sundays and Holidays: All stations from 05.00-23.00.

Daily Programmes from Prague I

Weekdays:	*Sundays:*
04.00 Music	05.00 Music
04.05 News	05.55 Programme Preview
04.20 Music	06.00 Music
04.55 Programme Preview	06.45 News
05.00 Home Press Review	07.15 Music
05.20 Music	08.00 For the Troops
06.00 News	08.30 Music
06.15 Programme Preview	09.00 Press Review
06.20 Music	09.15 Music
08.40 Information	09.45 Sunday Talk
11.30 News	11.05 Music
16.45 Music	12.00 News
18.00 News	18.00 News
21.30 News	19.00 Music
22.00 Classical Music	21.30 News
	22.00 Classical Music

Daily Programmes from Prague II

Weekdays:	*Sundays:*
04.00 Prague I	05.00 Prague I
04.40 To our Miners	07.00 Music
05.00 Prague I	08.30 Sunday Talk
05.30 Music	08.40 Music
05.45 Information	10.00 For Women
06.00 Prague I	10.15 Music
06.15 Programme Preview	11.00 Noon Bells
06.20-07.00 Music	11.05 Music
11.15 Information	12.00 Prague I
11.30 Prague I	12.30 Music
11.45 Prague Courier	13.00 Women's Sunday Party
11.50 Music	13.30 Music
12.50 Industry, Commerce,	18.00 Prague I
17.00 Industry, Commerce,	18.15 Music, Talk
17.10 Cultural Observer	21.30 Prague I
17.45 Information	21.50 Music
18.00 News Prague I	
21.30 News Prague I	

Daily Programmes on Shortwave

From 04.00-04.20 on Weekdays	6010 kc/s	49.92 m
	Home News	
From 08.00 08.15 on Sundays	15230 kc/s	19.70 m
	Home News	
From 10.00-10.30 on Weekdays	15230 kc/s	19.70 m
	News for Legations	
From 15.30-18.10 Daily	11840 kc/s	25.34 m
	Foreign Languages	
From 18.15-22.00 Daily	9550 kc/s	31.41 m
	Foreign Languages	
From 22.55-24.00 Daily	15230 kc/s	19.70 m
	Program for North America	

News in Foreign Languages

On 11840 kc/s, 25.34 m

15.30 Esperanto	16.45 Polish
15.45 Lusitanian	17.00 German (for Austria)
16.00 Russian	17.15 Hungarian
16.15 Bulgarian	17.30 Roumanian
16.30 Yougoslavia	17.45 English
	18.00 Russian

On 9550 kc/s, 31.41 m

18.15 Bulgarian	19.45 English
18.30 Spanish	20.00 Russian
18.45 Polish	20.15 For Scandinavia
19.00 German	20.30 For Switzerland
19.15 French	21.00 Esperanto
19.30 Yougoslavia	21.15 French
	21.30 Spanish
	21.45 English

Announcement: "Announcements are made in the language of the broadcast. In English on Shortwave: "Good evening everybody. This is the Voice of Czechoslovakia. Prague calling English speaking friends everywhere". At the middle of the broadcast: "This is Prague calling, you are listening to our half hour programme in English, which is broadcast every day at this time."

Interval-Signal: *Praha I:* The beginning of the symphony poem "Vysehrad" by Smetana, played by harp.

Praha II: Fanfare of the march, "The new life" by Josef Suk, played by trumpet.

Bratislava: Fanfare of "La Marche" (Pochod), by Jan Sikker, played by three trumpets.

Brno-Komarow: The popular song: "Moravo, Moravo", played by a carillon.

Moravska Ostrava: Moravian dance: "Pilky", by L. Janacek, played by carillon.

Ceske Budejovice: The popular song "Quand je passais par la poste de Putim", played by two clarinets.

Kosice: The popular song: "Au paturage des moutons", played by piccolo flutes.

Shortwave-stations: Notes of horn from Dvorak's New World Symphony, first movement, played by trumpet and repeated five times a minute. Time signal: Three short "pips" and one long.

Message to listeners: "All letters sent to us by our listeners at home and abroad receive careful consideration and all reception reports are duty noted. Verification cards are sent to all whose reports have been found correct."

DENMARK

Normal Clock Time — G. M. T. plus 1 hour.

Address: The Danish State Radio, Radiohuset, Rosenørnsalle 22, Copenhagen.

Leading Personalities: Director: Mr. F. E. Jensen, Chief of Administration: Mr. A. C. Nielsen, Chief of Music Department: Mr. Peder Gram, Chief of Talks Dept.: Mr. Jens Rosenkjær, Chief of Literary Dept.: Mr. Hans Werner, Chief of Reportage Dept.: Mr. Aksel Dahlerup, Chief of Information Dept.: Mr. Paul Berg, Chief of News Dept: Mr. N. Grunnet.

Stations:

Kalundborg		240 kc/s	1250 m	60 kW
Copenhagen		1176 kc/s	255 m	30 kW
Skamlebæk	OZF	9520 kc/s	31.51 m	6 kW
Skamlebæk	OZH2	15320 kc/s	19.58 m	6 kW

Daily Programmes:

Weekdays: 05.15-22.30. *Sundays:* 07.00-22.30

05.15 News (Weekd.)	14.00 Music
06.00 Exercise (Weekd.)	15.30 Children's Hour
06.35 Records (Weekd.)	16.00 Talk, Music
07.00 News Music	16.30 News, Bourse
07.30 Morning Service	17.00 Languages Lessons
07.55 Weather	17.45 News
08.00 Exercise	18.00 Topical hour
09.15 School Broadcast	18.15 Talk, Play or Music
11.00 Music	21.00 News
11.20 Weather	21.15 Music
13.00 Talk, Music	

Highlights of Programmes:

Symphony-Concert: Thursdays from 4/9-15/4 at 19.00 exc. the last *Thursday* in every month.

Popular Concert: Sundays from 15.00-16.30 September to April exc. the week with no Thursday-Concert; then the concert takes place on *Tuesday* evening from 19.00-20.30.

Chamber-Music: Monday evenings at different hours.
Plays: Every *Tuesday* and *Friday* until 21.00.
Topical Hour: Daily from 18.00-18.15 — recording from events of the day.

The Listeners Speak: Every *Sunday* from 10.45-11.00, one or more Listeners state their opinions on topical themes.

Daily Programmes on Shortwave:

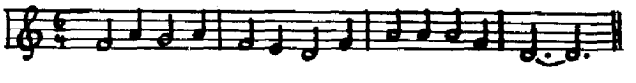
On 31.51 m: Daily the national programme from 17.45-22.00

On 19.58 m: Sundays and *Holidays:* 13.00-17.45

Announcement: "Danmarks Radio, København-Kalundborg" and from 17.45: "..... og Kortbølgesenderen."

Interval-Signal: From an old Danish folksong

Daily at 11.00 and 19.00: The chimes of the Town Hall building in Copenhagen are heard.



Message to Listeners: "The Danish State Radio starts about the New Year test transmissions with a new shortwave transmitter on 50 kW and expects to start regular transmissions from the Spring 1948. The new station will use directional aerials to North America, South America and the East. — The Danish State Radio is very interested in receiving reports from listeners all over the world about programmes and reception conditions, and will to the greatest extent possible try to get in touch with countrymen and other interested listeners abroad in an endeavour to arrange the best possible shortwave-service.

EIRE

Normal Clock Time — G. M. T.

Address: Radio Eireann, General Post Office, Dublin, Ireland.

Leading Personalities: Director: Mr. Robert Brennan. Overseas Director: Mr. Charles E. Kelly. Deputy Director: Mr. R. O. Farachain, M. A. Staff Administrative Officer: Mr. A. Giolla Josa. Music Director: Capt. M. A. Bowles. Productions Director: Mr. H. L. Morrow. Staff Engineer: Mr. J. E. Lyons. Producer: Mr. Michael O. Haodha.

Stations:

Athlone	565 kc/s	531,0 m	100 kW
Cork	1240 kc/s	241,9 m	1 kW
Dublin	1348 kc/s	222,6 m	2 kW
Athlone	9595 kc/s	31.27 m	1,5 kW
Athlone	11740 kc/s	25.55 m	1,5 kW
Athlone	17840 kc/s	16.82 m	1,5 kW
Athlone	15120 kc/s	19.84 m	1,5 kW (inactive)

Daily Programmes on all mediumwaves from 13.00 (Sun. 11.30)-14.30 and 17.30-23.30.

13.30 News (Weekd.)	22.00 News in Irish
13.40 Music	22.10 News
18.30 News	22.30 Hospital's Trust Sponsored Programme
18.50 Progr. Preview (Weekd.)	13.00 Music

There is at least one *symphony concert* every week and Radio Eireann are at the moment building up Variety Features. Prominence is given to Irish folk and instrumental music. Nearly every night is broadcast a play of generally one hour's length.

On Shortwave: *News* at 18.30-18.50 on 16.82 and 22.10-22.30 on 31.27 m.

A highpower shortwave station is in course of erection.

Announcement: "Radio Eireann". At closing down is played the National Anthem: "The Soldiers Song".

Interval-Signal: Opening bars of "O'Donnell Abu".

Message to Listeners: "Listeners letters on the quality of reception are always welcome, and we welcome the comments of listeners on the content of the programmes. We wish all our listeners many hours of happy listening to our programmes."

FINLAND

Normal Clock Time — G. M. T. plus 2 hours.

Address: OY Yleisradio Ab., Fabiansgatan 15, Helsinki.

Leading Personalities: General Manager: Hella Wuolijoki, Second Director: Mr. O. Toivonen. Director of Finnish Programmes: Mr. J. Koskiluoma. Director of Swedish Programmes: Mr. R. Ölander. Chief Engineer: Mr. Juho Rissanen. Director of Administration: Mr. Einar Sundström.

Stations: Long- and mediumwave.

Lahti	160 kc/s	1875 m	150 kW National
Turku (Åbo)	895 kc/s	335.2 m	40 kW National
Helsinki (Helsingfors)	1420 kc/s	211.3 m	10 kW National
Vaasa (Vasa)	749 kc/s	400.5 m	10 kW Reg. and Relay
Kuopio	527 kc/s	569.0 m	20 kW Reg. and Relay
Oulu (Ulcåborg)	433 kc/s	693.0 m	10 kW Reg. and Relay
Pietersaari (Jakobstad)	1500 kc/s	200.0 m	1 kW Reg. and Relay
Tampere (Tammerfors)	1522 kc/s	197.0 m	1 kW Reg and Relay
Pori (Bjørneborg)	1429 kc/s	210.0 m	1 kW Reg. and Relay
Joensuu	310 kc/s	968.0 m	1 kW Reg. and Relay

Shortwaves:

Helsinki II	OIX7	6120 kc/s	49.02 m	15 kW
Lahti	OIX2	9500 kc/s	31.58 m	15 kW
Pori	OIX4	15190 kc/s	19.75 m	15 kW
Helsinki III	OIX5	17800 kc/s	16.85 m	15 kW
Lahti	OIX3	11780 kc/s	25.47 m	10 kW
Lahti	OIX6	21550 kc/s	13.92 m	1 kW inactive

Daily Programmes for Lahti (National)

Weekdays: 04.00-04.25, 05.00-06.00, 08.50-12.10, 15.00-21.00 (Saturdays 22.00)
Sundays: 05.45-21.00.

Sundays:

05.45 Music
06.30 News in Finnish
06.40 News in Swedish
06.50 Music
07.05 Russian Lesson
08.00 Religious Service (Finnish)
09.25 Swedish Lesson
09.40 Programme Preview
09.45 Music
10.30 News in Finnish
10.40 News in Swedish
10.50 Programme Preview
11.00 Religious Service (Swedish)
12.20 English Lesson
12.35 Music and Various
15.00 Talking Newspaper
16.00 Records
17.00 News in Finnish
17.15 News in Swedish
17.30 Music and Various
20.00 News in Finnish
20.10 News in Swedish
20.20 Music and Various

Weekdays:

04.00 News in Finnish
04.15 Records
04.25 News in Swedish
05.05 Morning Prayer (Swedish)
05.25 Morning Prayer (Finnish)
05.40 News in Finnish
05.50 News in Swedish
08.50 Programme Preview
09.00 Records
10.00 The Bells of the Åbo Cathedral
10.15 Newspaper Review
10.30 News in Finnish
10.40 News in Swedish
10.50 Rates or Securities
11.10 Programmes for Homes
12.00 The Mirror of the Day
15.00 Records and Various
16.50 Today . . . (Finnish)
17.00 News in Finnish
17.15 News in Swedish
17.30 Various
20.00 News in Finnish

Highlights of Programmes: The principal concerts of the Radio Orchestra are on *Sundays* and *Tuesdays*, the times varying between 18.25 and 20.00. On *Fridays* at 18.05 or 19.00 we broadcast a part of the symphony concert of the Helsinki Town Orchestra and on *Sundays* at 12.35-13.35 a popular concert of the same orchestra. These concerts take place from the beginning of September till the end af May.

Shortwaves:

04.00-04.15	Finnish	**25.47 m**
04.00-04.35	Relay Mediumwave	**49.02 — 16.85 m**
04.00-04.35	Relay Mediumwave	**31.58 m**
04.15-04.35	Swedish Programme	**25.47 m**
05.00-06.00	Relay Mediumwave	**19.75 m**
05.00-06.00	Swedish, Finnish	**25.47 m**
08.45-09.50	Relay Mediumwave	**19.75 m**
08.40-12.10	Relay Mediumwave	**16.85 — 31.58 — 49.02 m**
08.40-12.10	Finnish	**25.47 m**
09.55-12.10	Relay Mediumwave	**19.75 m**
12.15-12.25	English Programme	**19.75 — 31.58 m**
15.00-21.00	Relay Mediumwave	**16.85 — 49.02 m**
15.00-21.00	Finnish	**25.47 m**
15.00-16.50	Relay Mediumwave	**19.75 — 31.58 m**
16.55-17.30	English Programme	**31.58 — 19.75 m**
17.45-17.55	French Programme	**31.58 — 19.75 m**
18.00-21.00	Relay Mediumwave	**31.58 — 19.75 m**
22.05-22.15	French Programme	**31.58 — 19.75 m**
00.25-00.35	English Programme	**31.58 — 19.75 m**

Announcement: *Finnish Programme:* "Suomen Yleisradio" followed by programme announcement over all stations. *Finnish and Swedish Programme:* "Suomen Yleisradio, Finlands Rundradio" over Helsinki, Åbo, Vasa and Jakobstad.

Interval-Signal: Every weekday at 08.45: Timesignal. At 10.00: Ringing of the bells of Åbo Cathedral.
Lahti: A fragment of the song "Tavastland" by Palmroth.
Helsinki: The interval signal are based on an old Finnish Melody "Kantelemelody".

Åbo: A fragment of the anthem of St. Henriks.
Vasa: The first notes of "Vasa March" by Karl Collan.

Kuopi: The first notes of a well-known song about the beauty of "Kallavesi".

Uleåborg: Lapp yodelling.

Jakobstad: A fragment of "Österbotten" by Moring.
Tammerfors: A fragment of the popular song: ::På Tammerkoski bro."
Bjørneborg: The first notes of "Bjørneborgerne's March".
Joensuu: The first notes of "Karelarna's song".

Message to Listeners: "The Finnish Broadcasting Corporation is interested in hearing from listeners all over the world and reception reports from listeners will be much appreciated and answered."

FRANCE

Normal Clock Time — G. M. T. plus 1 hour.

Address: Radiodiffusion Francaise, Secretariat d'Etat a l'Information, Relations Exterieures, 116 bis Champs-Élysées, Paris.

Leading Personalities: President: Mr. P. Rivet. Director General: Mr. W. Porche. Director of Administration: Mr. I. Meyer. Director of Programmes: Mr. P. Gilson. Director of Shortwave Transmissions: Mr. J. Manachem. Technical Director: Mr. Leschi.

Stations:

National Network:

Limoges I (Nieul)	648 kc/s	463.0 m	100 kW
Paris I (Villebon)	695 kc/s	431.7 m	100 kW
Marseille I (Realtort)	749 kc/s	400.5 m	20 kW
Quimper-Quimerch	832 kc/s	360.6 m	10 kW
Grenoble II	832 kc/s	360.6 m	0,05 kW
Strasbourg I (Brumath)	859 kc/s	349.2 m	20 kW
Lyon I (Tramoyes)	895 kc/s	335.2 m	20 kW
Toulouse I (Muret)	913 kc/s	328.6 m	100 kW
Nancy I	959 kc/s	312.8 m	10 kW
Rennes I (Alma)	1040 kc/s	288.6 m	20 kW
Dijon-Fontaine	1068 kc/s	280.9 m	1 kW
Nimes	1068 kc/s	280.9 m	2 kW
Bordeaux II (Néac)	1077 kc/s	278.6 m	1 kW
Montbeliard	1158 kc/s	259.1 m	10 kW
Montpellier II	1158 kc/s	259.1 m	0,05 kW
Nice (La Brague)	1185 kc/s	253.1 m	60 kW
Lille I (Camphin)	1213 kc/s	247.3 m	20 kW
Clermont (Ennezat)	1321 kc/s	227.1 m	20 kW
Montelimar	1348 kc/s	220.6 m	1 kW
Perpignan	1348 kc/s	220.6 m	1 kW
Poitiers	1348 kc/s	220.6 m	1 kW

Parisienne Network:

Paris II (Romainville)	776 kc/s	386.6 m	10 kW
Pau (Billere)	968 kc/s	309.9 m	20 kW
Limoges II (Nieul)	1339 kc/s	224.0 m	20 kW
Marseille II (Realtort)	1339 kc/s	224.0 m	10 kW
Lyon II (Dardilly)	1339 kc/s	224.0 m	25 kW
Toulouse II (Muret)	1339 kc/s	224.0 m	20 kW
Nantes (Montbert)	1366 kc/s	219.0 m	10 kW
Bordeaux I (Carrere)	1393 kc/s	215.4 m	40 kW
Nice II (Antibes)	1393 kc/s	215.4 m	25 kW
Dijon II	1393 kc/s	215.4 m	20 kW
Grenoble I	1393 kc/s	215.4 m	15 kW
Montpellier I	1393 kc/s	215.4 m	10 kW
Rouen (Louvetot)	1393 kc/s	215.4 m	5 kW
Strasbourg II (Brumath)	1393 kc/s	215.4 m	10 kW
Rennes (Thourie)	1393 kc/s	215.4 m	24 kW
Lille II (Camphin)	1456 kc/s	206.0 m	1,5 kW
Nancy II	1456 kc/s	206.0 m	1 kW
Saint-Brieuc	1456 kc/s	206.0 m	0,05 kW
Ennezat II	1456 kc/s	206.0 m	1 kW
Angers	1456 kc/s	206.0 m	1 kW
Toulouse II	1456 kc/s	206.0 m	1 kW
Limoges III (Nieul)	1456 kc/s	206.0 m	1 kW

Club d'Essai (for Paris only)

Paris III	610 kc/s	491.8 m	10 kW

Shortwave Stations:

Allouis OC V	21740 kc/s	13.80 m	100 kW
Allouis OC III	21490 kc/s	13.96 m	100 kW
Muret OC II	17850 kc/s	16.81 m	25 kW
Allouis OC V	17810 kc/s	16.84 m	100 kW
Allouis OC III	17780 kc/s	16.87 m	100 kW
Muret OC I	17765 kc/s	16.89 m	25 kW
Realtort OC II	15350 kc/s	19.54 m	25 kW
Realtort OC I	15295 kc/s	19.62 m	25 kW
Allouis OC I	15240 kc/s	19.68 m	100 kW
Allouis OC V	15130 kc/s	19.83 m	100 kW
Allouis OC III	15100 kc/s	19.87 m	100 kW
Muret OC II	11885 kc/s	25.24 m	25 kW
Allouis OC V	11870 kc/s	25.27 m	100 kW
Muret OC I	11845 kc/s	25.33 m	25 kW
Allouis OC I	11730 kc/s	25.58 m	100 kW
Allouis OC III	11720 kc/s	25.60 m	100 kW
Allouis OC I	11700 kc/s	25.64 m	100 kW
Allouis OC I	9685 kc/s	30.98 m	100 kW
Realtort OC II	9675 kc/s	31.01 m	25 kW
Realtort OC I	9620 kc/s	31.19 m	25 kW
Allouis OC IV	9585 kc/s	31.30 m	100 kW
Allouis OC III	9570 kc/s	31.35 m	100 kW
Les Essarts	9560 kc/s	31.38 m	10 kW
Allouis OC I	9550 kc/s	31.41 m	100 kW
Allouis OC IV	9540 kc/s	31.45 m	100 kW
Allouis OC I	9520 kc/s	31.51 m	100 kW
Allouis OC V	9515 kc/s	31.53 m	100 kW
Allouis OC I	7280 kc/s	41.21 m	100 kW
Allouis OC IV	7270 kc/s	41.27 m	100 kW
Realtort OC II	7240 kc/s	41.44 m	25 kW
Allouis OC I	6200 kc/s	48.39 m	100 kW
Allouis OC IV	6175 kc/s	48.58 m	100 kW

HOME PROGRAMMES

Daily Programmes for National Network:

Sundays from 06.27-23.15.

Mondays, Thursdays and Saturdays from 05.25-09.20 and 10.50-23.15. *Tuesdays, Wednesdays and Fridays* from 05.25-09.20, 10.50-14.00 and 17.00-23.00.

Weekdays:	*Sundays.*
05.30 News, Music	06.30 Music
06.00 News	07.00 News Press Review
07.00 News (Edition Parisienne)	07.20 "Chronique Philatelique"
08.00 News from French colonies. Press Review	07.30 Religious Service
08.15 "Heure de Culture française"	08.00 News (Edition Parisienne)
10.50 Programme in Arabic	08.35 "La Voix de la Libre Pensée"
10.58 Programme Preview	08.45 "Courrier des Auditeurs"
11.00 Light Music	09.00 "Grand Messe"
12.00 News. Review of Foreign Press	10.00 Music
12.15 Music	12.00 News
13.00 News	13.00 News
14.00 Bourse	13.05 Theatre
17.00 News	15.33 Music
18.05 "Pour les malades",	19.00 News, Commentary
19.00 News, Commentary,	19.30 Programme Preview
21.00 News	20.35 News, Music
23.00 News	22.55 Program Preview for the next Day
	23.00 News

Highlights of Programmes:

Theatre: c. 19.30 Saturdays.
Opera: c. 19.30 Fridays.
National Orchestra: c. 19.30 Thursdays.
Symphony Concert: c. 21.00 Wednesdays.
Theatre: c. 19.30 Mondays.

Daily Programmes for Parisienne Network:

Weekdays from 05.27-08.15, 10.47-14.32, 16.56-22.32 (exc. Sat. 23.45). *Sundays* from 0627-23.00.

Weekdays:	
05.30 News	06.35 Language Lessons
05.40 Language Lessons	06.50 Programme Preview
06.30 News	06.53 Music
	07.47 Music

11.30 "Actualities de Paris"	07.30 News
11.50 "Télé Paris"	08.20 "Le Disque des Auditeurs"
12.05 Music	
17.30 "A Vos Ordres" from U.S.A.	10.50 "Le Magazine de la Radio"
18.30 "Ce Soir en France", relayed by U.S.A.	11.30 "Actualités de Paris"
19.00 Programme Preview	11.50 Music
19.02 Music	12.20 Theatre
19.30 "Tribune de Paris"	17.30 "A Vos Orders" from U.S.A.
21.30 News	18.30 "Ce Soir en France"
21.50 Theatre	19.00 Progr. Preview
22.30 Programme Preview for the next day	19.05 "Tour du Monde autour d'une Table"
	19.30 Transmission: France -U.R.S.S.
Sundays:	
06.27 Progr. Preview	21.30 News
06.30 News	21.45 Music
06.45 Music	22.15 Dance Music

"Ce soir en France" is an international transmission of "Journal parlé" (news). All point of views concerning the news in "Le Journal parlé" and mention of most important personalities of the day.

"Actualités de Paris", consists of News from Paris and the World, commentaries and Paris entertaintment.

Highlights of Programmes:
"Symphony Concert": c. 19.50 Mondays.
"La France du Monde": 18.20 Wednesdays.
Orchestra or Opera: c. 19.50 Wednesdays.
Cycle du Trio Concert: 21.45 Fridays.

EUROPEAN SERVICE ON MEDIUMWAVE

Daily Programmes for European Listeners:
On Luxemburg 1293 m, Toulouse I 328.6 m and Limoges I 463 m.

05.30-05.45	To Czechoslovakia (Thursd. Sat.)	on 1293 m
05.30-06.15	To Czechoslovakia (Sun.)	on 1293 m
09.45-15.15	To Germany (Mon., Tuesd., Wedn., Fri.)	on 1293 m
	To Belgium (Sun.)	on 1293 m
10.15-10.30	To Poland (Weekd. exc. Thursd.)	on 1293 m
10.30-12.00	To Germany (Sun.)	on 1293 m
11.45-12.00	To Norway (Mon., Tuesd., Wedn., Fri.)	on 1293 m
17.45-18.00	To Germany (Weekdays)	on 1293 m
21.30-22.30	To Spain	on 328.6 m
21.30-22.30	To England	on 463 m
21.30-21.45	To Belgium	on 1293 m
21.45-22.00	To Holland	on 1293 m

OVERSEAS AND EUROPEAN SERVICE ON SHORTWAVE

Daily Programmes from 06.00-23.00:

05.00-05.15	To North Africa	in 41 and 31 m. b.
05.30-06.30	To Tahiti	in 31 and 25 m. b.
06.45-07.30	A. D. F. A. E. F.	in 19 and 16 m. b.
11.30-11.45	To Greece	in 31 and 25 m. b.
11.45-12.00	Arabic to Near East	in 31 and 25 m. b.
12.15-12.30	Arabic to North Africa	in 31 and 25 m. b.
12.45-14.30	To Indochina	in 19 and 16 m. b.
14.45-15.15	To Indochina	in 16 m. b.
15.30-16.00	To North Africa	in 19 and 15 m. b.
16.15-16.30	To Egypt (Tuesd.)	in 25 and 16 m. b.
16.15-17.15	To Madagascar	in 25 and 19 m. b.
16.45-17.15	To Orient in Arabic	in 31 and 25 m. b.
17.30-17.45	To Brazzaville	in 19 and 16 m. b.
18.00-18.15	To Yugoslavia	in 41, 31 and 25 m. b.
18.15-18.30	To Poland	in 41 m. b.
18.15-18.30	To Bulgaria	in 31 m. b.
18.30-18.45	To Italy	in 41 and 31 m. b.
18.45-19.00	To Czechoslovakia	in 41 m. b.
18.45-19.00	To Roumania	in 31 m. b.
18.30-19.00	To North Africa	in 31 and 25 m. b.
19.00-19.15	To Hungary	in 41 and 31 m. b.
19.15-19.30	To Sweden	in 41 m. b.
19.30-20.00	To Orient in France	in 25 and 19 m. b
19.30-20.00	To North Africa in Arabic	in 41 and 31 m. b.
20.15-21.30	To A. O. F. A. E. F	in 31, 25 and 19 m. b.
20.30-21.00	To Portugal	in 41 and 31 m. b.
20.45-21.00	To Denmark	in 41 m. b.
21.30-22.30	To Spain	in 41 m. b and Toulouse 328.6 m
22.00-22.15	To North Africa	in 19 and 16 m. b.
22.30-23.30	To Antilles Guyane	in 31 and 19 m. b.
23.30-24.00	To Brazil	in 31 and 19 m. b.
00.15-01.15	To North America	in 31 and 19 m. b.
01.15-01.45	To Mexico	in 31 and 19 m. b.
02.00-03.00	To New Caledonia	in 31 and 19 m. b.

Announcement: Opening and close down with a fragment of "Marseillaise" respectively followed by the announcement: "Radiodiffusion Française".

The News opens with fragments of the symphony from a French song composed by Vincent d'Indy, and ends with a motive from "Marseillaise".

On *Shortwave* is announced: "Ici Radio Paris, Radiodiffusion Française" in French and other Languages.

GERMANY

Normal Clock Time — G. M. T. plus 1 hour.

Stations: Mediumwave.

Potsdam	Russian Z.	564 kc/s	531.9 m	0,4 kW
Dresden	Russian Z.	564 kc/s	531.9 m	1,5 kW
Stuttgart	American Z.	574 kc/s	522.6 m	100 kW
Bremen	American Z.	601 kc/s	499.2 m	1 kW
Berlin	American Z.	610 kc/s	491.8 m	10 kW
Berlin II	Russian Z	722 kc/s	415.5 m	120 kW
Munich/ Nuremberg	American Z.	740 kc/s	405.4 m	100 kW
Leipzig	Russian Z.	785 kc/s	382.2 m	120 kW
Freiburg	French Z	827 kc/s	362.9 m	10 kW
Berlin I	Russian Z.	841 kc/s	356.7 m	100 kW
Hamburg/ Cologne	British Z.	904 kc/s	331.9 m	100 kW
Coblenz	French Z.	1031 kc/s	291.0 m	5 kW
Weimar	Russian Z.	1031 kc/s	291.0 m	20 kW
Hannover	B. F. N.	1095 kc/s	274.0 m	10 kW
Langenberg	B. F. N.	1095 kc/s	274.0 m	20 kW
Berlin	B. F. N.	1095 kc/s	274.0 m	1 kW
Elmshorn	B. F. N.	1095 kc/s	274.0 m	10 kW
Frankfurt/ Kassel	American Z.	1195 kc/s	251.0 m	60 kW
Bayreuth (Relay Frankf.)	A. F. N.	1204 kc/s	249.2 m	1 kW
Schwerin	Russian Z.	1231 kc/s	243.7 m	20 kW
Sigmaringen	French Z.	1240 kc/s	241.9 m	5 kW
Munich/ Stuttgart	A. F. N.	1249 kc/s	240.2 m	100 kW
Halle	Russian Z.	1303 kc/s	230.2 m	20 kW
Berlin	British Z.	1330 kc/s	225.6 m	2,5 kW
Hannover	British Z.	1330 kc/s	225.6 m	10 kW
Flensburg	British Z.	1330 kc/s	225.6 m	2,5 kW
Saarbrucken	French Z.	1348 kc/s	222.5 m	2 kW
Herford	B. F. N.	1366 kc/s	219.0 m	20 kW
Frankfurt	A. F. N.	1411 kc/s	213.0 m	1 kW
Berlin	A. F. N.	1420 kc/s	211.3 m	1 kW

Bremen	A. F. N.	1429 kc/s	209.0 m	2,5 kW
Kaiserlautern	French Z.	1465 kc/s	204.8 m	5 kW
Bremerhaven	A. F. N.	1500 kc/s	200.0 m	0,05 kW
Shortwave:				
Frankfurt	A. F. N.	6080 kc/s	49.34 m	50 kW
Hamburg	British Z.	6115 kc/s	49.04 m	10 kW
Baden-Baden	French Z.	6321 kc/s	47.46 m	50 kW
Leipzig	Russian Z.	9730 kc/s	30.83 m	12 kW
Stuttgart	American Z.	6180 kc/s	48.50 m	1 kW
Munich	American Z.	6190 kc/s	48.47 m	1 kW
Relay-Stations:				
Munich I Relay f. USA.	American Z.	7290 kc/s	41.15 m	85 kW[1]
Munich III Relay f. USA.	American Z.	9540 kc/s	31.45 m	85 kW[1]
Munich II Relay f. USA.	American Z.	11870 kc/s	25.27 m	85 kW[1]
Munich II Relay f. USA.	American Z.	15150 kc/s	19.80 m	85 kW[1]
Norden Relay f. BBC.	British Z.	657 kc/s	456 m	100 kW[2]
Berlin Relay f. Mosc.	U. S. S. R.	191 kc/s	1571 m	100 kW[3]

[1]) See U.S.A. [2]) See Gr. Brt. [3]) See USSR.

American Zone

AMERICAN FORCES NETWORK

Address: American Forces Network, Publicity Office, APO 757, U. S. Army, Hochst near Frankfurt

Leading Personalities: Publicity Director: Mr. John W. Crane.

Stations:

Munich/ Stuttgart	1249 kc/s	240.2 m	100 kW	
Frankfurt	1411 kc/s	213.0 m	10 kW	
Bayreuth	1204 kc/s	249.2 m	10 kW	Relay Frankf.
Bremen	1420 kc/s	211.3 m	2,5 kW	
Berlin	1420 kc/s	211.3 m	1 kW	
Bremerhaven	1500 kc/s	200.0 m	0,05 kW	Relay Bremen
Frankfurt	6080 kc/s	49.34 m	50 kW	Relay Frankf.

Daily Programmes: 05.00-23.00.

05.00 News
05.30 News
06.45 Personal Album
07.00 Fred Waring (ss)
07.30 Music
08.00 Musical Scrapbook (Sun.: Program Preview)
08.30 Bandstand (s)
10.30 Melody Roundup (ss)
10.45 At Ease (ss)
11.00 News
12.45 Remember (ss)
13.00 News
13.30 Music
15.00 News
15.02 Outpost Concert
15.55 Programme Highlights
16.50 Vespers (ss)
17.00 World and Home news (s)
17.45 AFN Spotlight on Sports
20.00 Report from Europe (Sun.: News)
20.30 AFN Playhouse (ss)
21.50 News (s)
22.00 Record Show
22.58 News

(s) means *Daily exc. Sundays*
(ss) means *Daily exc. Saturdays and Sundays*

Announcement for Frankfurt, Bremen and Shortwave: "This is the American Forces Network serving the American Forces in Europe."
For Berlin and Munich, with local programme: "This is AFN, Munich."

RADIO FRANKFURT

Address: Radio Frankfurt, Information Control Division, Radio Branch A. P. O. 757, U. S. Army, 10/33 Eschersheimerlandstrasse, Frankfurt-on-Main.

Leading Personalities: German Intendant: Eberhard Beckmann. Chief Radio Branch Capt. Inf.: Herbert C. Gross.

Stations:	Frankfurt	1195 kc/s	251 m	60 kW
	Kassel	1195 kc/s	251 m	½ kW

Daily Programmes: Weekdays 05.00-08.45, 10.15-13.45 and 15.00-22.30 (Wedn., Sat 23.00). Sundays: 05.30-22.30.

Weekdays:	*Sundays:*
05.30 News	05.30 News
06.00 "Rundschau aus dem Hessenland"	05.45 Music
06.15 Music, Programme Preview	06.00 "Rundschau aus dem Hessenland"
08.00 News from Germany	06.15 Music, Programme Preview
08.15 "Suchmeldungen"	07.45 "Deutchlandspiegel"
10.45 "Der Hessische Landbote"	08.00 Catholic Service
11.00 Music	08.45 Programme Preview for the next week
11.55 "Rundschau aus dem Hessenland"	09.00 Music
11.45 News	10.45 "Der Hessische Landbote"
12.00 Music	11.00 Music
12.50 "Kindersuchdienst"	11.35 "Rundschau aus dem Hessenland"
13.15 "Schulfunk"	11.45 News
15.00 Music	12.15 Programme Preview
16.45 News	13.30 News, Music
18.00 The Voice of U. S. A.	15.45 Letters from Listeners
18.30 "Ein musikalisches Zwischenspiel mit Programmhinweisen"	16.00 Symphonic Concert
18.45 "Rundschau aus dem Hessenland"	17.50 Cultural News
19.00 News	18.00 The Voice of U. S. A.
22.00 News	18.45 "Rundschau aus dem Hessenland"
22.15 Music	19.00 News
	19.15 Music
	21.30 Music
	22.00 News

Highlights of Programmes:
Symphony Concert: 16.00 Sundays
Opera: 19.15 Wednesdays
Symphony Concert: 19.15 Thursdays
Theatre: 19.15 Fridays
Dance Music: 19.15-23.00 Saturdays

Announcement: "Hier ist Radio Frankfurt, ein Sender der Militärregierung".

Interval-Signal:

Message to Listeners: "We call the listeners' attention to a special programme at 22.15 every Wednesday and 13.45 Fridays running approximately 30 minutes during which we give our programme for the next week at dictation speed."

RADIO MUNICH

Address: Radio München, Radio Control Branch, Office of Military Government for Bavaria, Information Control Division, Rundfunkplatz 1, Munich.

Leading Personalities:
American Control Officers: Mr. Edmund Schechter, Chief of Branch, Mr. Brill, Deputy Chief; Lt. Col. Brickson; Mr. Gruenfeld, Production and Traffic Manager; Mr. Lynd, Continuity.
German Heads: Dr. Hoppichler, Administration, Mr. Zaeckel, Chief Engineer, Mr. Rudolf v. Scholtz, Sendeleiter.

Stations: Radio Munich and Nuremberg.
740 kc/s 405.4 m 100 kW

Daily Programmes: *Weekdays* (exc. Sat.): 05.00-13.35, 14.30-23.00. Saturdays and Sundays 05.00-23.00.

Weekdays:

05.00 Music
05.30 News
07.00 Music
07.45 News
08.00 Music
08.15 "UNRRA-Suchdienst"
08.45 Music
09.15 "Schulfunk"
09.45 Music
10.30 "Kindersuchdienst"
11.00 Music
12.00 News
12.30 Music
13.00 Announcements
15.15 Music
16.00 News
16.15 Music
17.30 Music
18.00 The Voice of USA
18.30 Music
19.00 News
19.15 "Tribüne der Parteien" (Mon., Wedn., Fri.) "Prozesse der Zeit" (Tuesd. only) Music (Thursd. only)
19.30 Music
20.00 Commentary (Mon.) Literary programme (Wedn. till 21.30) Music (Thursday till 21.30 and Friday till 22.45)
20.30 Music (Mond., Wedn.) "Die tönende Leinwand". Reports and Music (Thursd.)
21.00 "Buchbesprechung" (Mond.) "Prozesse der Zeit" (Thursd.)
22.00 News
22.15 Music
22.30 Music (Tuesd.)

Sundays:

05.00 Music
05.30 News
05.45 Music
06.45 Farmers' Broadcast
07.00 Music
07.45 News
08.00 Music
09.00 Religious Service
10.00 "Amerikaspiegel"
10.15 Youth Broadcast
10.30 Music
11.00 News
11.15 "Die Gewerkschaft ruft"
11.30 Music
12.00 Farmers' Broadcast
12.15 Music
13.30 Children Broadcast
14.00 "Bunter Nachmittag"
16.00 Theatre Report
16.15 Music
16.30 Literary Programme
17.00 Music
17.30 Commentary
17.45 Music
18.00 The Voice of USA
18.30 Music
19.00 News
19.15 Sport
19.30 Music
20.00 Studio Play
21.00 Music
22.00 News
22.15 Music

Highlights of Programmes:
Sunday: 15.00 Bunter Nachmittag, 20.00 Studio-Play.
Tuesday: 20.15 Philharmonic Concert.
Wednesday: 20.00 Studio Play.
Thursday: 20.00 "Die Zehn der Woche" Hit Parade.
Friday: 19.30 Opera, Operette or Symphony.
Saturday: 14.00 Symphony, 20.00 Cabaret.

Announcement:
This is Radio Munich, a station of the Military Government, broadcasting on 405.4 metres, 740 kc/s. Callsignal "Bandltanz" is played at 05.00 and 14.30 daily exc. Saturdays and Sundays, Saturdays and Sundays at 05.00 hours.

RADIO STUTTGART

Address: Radio Stuttgart, 145 Neckarstrasse, Stuttgart (Operated by Radio Branch, Information Control Division, Office of Military Government for Wurttemberg-Baden, APO154 US Army).

Leading Personalities:
Chief Radio Branch: Mr. Fred G. Taylor jr.
US Control Officer: Mr. Kip Chevalier
US Control Officer: Mr. Michael Barjansky
German Intendant: Dr. Fritz Ermarth
Programme Director: Dr. Peter Kehm
Press and Public Relations: Dr. Martin von Bruch
Production Manager: Mrs. Claire Schimmel
Director, Heidelberg Studios: Mr. Gerhard Schäke

Stations: *Radio Stuttgart:* 574 kc/s, 522,6 m, 100 kW (Branch Studios in Heidelberg in operation since 14 September 1946)
Radio Stuttgart Shortwave: 6180 kc/s, 48.5 m, 1 kW (Operated by Military Government)

Daily Programmes:
Weekdays: 05.00-09.30, 10.30-13.30, 15.30-22.30
Saturdays: 05.00-09.30, 10.30-23.00
Sundays: 05.30-23.00

05.45 News
06.15 Progr. Preview
07.00 Voice of the USA
08.15 UNRRA Suchdienst
08.45 News
10.30 Kindersuchdienst
11.45 News
12.30 Progr. Preview
15.30 Progr. Preview
16.45 News
17.15 Zeitfunk
18.00 Voice of the USA
18.45 News
21.45 News

Highlights of Programmes:

Sundays:
09.30 Morning Concert
10.30 Heidelberg University
12.30 Swabian Programme
16.00 Drama
19.00 Variety Programme
Mondays:
09.00 School of the Air
19.30 Military Government
19.45 Symphony Concert
Tuesdays:
16.30 News Critizens Progr.
17.30 English
19.00 People and the State
21.00 War Crime Trials
Wednesdays:
19.00 Opera Music
20.00 Drama
21.00 Chamber Music
Thursdays:
19.00 Youth Hour
20.00 Modern Classical Music
Fridays:
20.00 The Family Hour
21.15 Chamber Music
Saturdays:
13.00 Folk Music
15.00 Variety Show
17.00 US Zone News Round-up
18.30 Political Commentary
19.00 Cabaret Hour

Announcement: Daily broadcasts begin with interval signal and conclude with a theme from the First Symphony by Brahms. Announcement is: Here is Radio Stuttgart.

Interval-Signal: For Radio Stuttgart is the following cembalo melody:

and for the Branch Studios in Heidelberg the student song "Gaudeamus igitur".

Message to Listeners: Germany's effort to regain a respectable place in the family of peace-loving nations can be materially assisted by means of courageous, independent radio. It is the mission of Radio Stuttgart to widen the horizon of its listeners, to report the news

truthfully and to render public service in the interest of its listeners. Constructive criticisms and programme suggestions will be welcomed at any time.

British Zone

British Forces Network in Germany (B. F. N.)
Normal Clock Time — G. M. T. plus 1 hour.

Address: B. F. N., Broadcasting House, Hamburg, Germany (B. A. O. R.)

Leading Personalities: Station Director: Mr. A. E. Sutherland. O. C. Progr. Section: Capt. N. A. Powley.

Stations: Hamburg, with following transmitters:

Herford	1366 kc/s	219 m	20 kW
Hannover	1095 kc/s	274 m	10 kW
Langenberg	1095 kc/s	274 m	20 kW
Berlin	1095 kc/s	274 m	1 kW
Elmshorn	1095 kc/s	274 m	10 kW

Daily Programmes in *English* on all frequencies:
Sundays from 05.57-23.03.
Weekdays from 05.30-23.03 (Saturdays 00.03)

Weekdays:	*Sundays:*
05.30 Swing Music	06.00 Light Music
06.00 Morning Melodies	06.55 Prayers
07.00 News	07.30 Variety
07.30 Variety	08.00 News
08.00 News	08.10 Programme Preview
08.15 Light Music	08.15 Musical Requests
09.30 Dance Music	09.30 Church Service
12.00 News	11.30 Theatre Organ
16.00 Variety	12.00 News
18.00 News and Sports	14.00 Symphony Concert
19.00 Occupation Forces News	18.00 News
	18.15 Church Service
21.00 News	21.30 English Poetry Reading
23.00 News Summary	22.00 News
	23.00 News

Highlights of Programmes:
Sunday: 14.00 Symphony Concert from "Hamburg Musikhalle" — 17.30 Quiz Programme. — 21.30 Poets Corner.
Monday: 18.20 On Parade — the microphone with the Regiments in Germany.
Tuesday: 16.00 The 1700 Club. —
Wednesday: 16.00 As Prescribed — a programme for Military Hospitals. — 16.30 Children's Magazine. — 17.00 Tango Time. — 19.30 Wednesday Symphony Concert. — 22.00 Dancing Round the Baltic — from Copenhagen and Stockholm.
Thursday: 16.00 The 1700 Club — Swing Music.
Friday: 16.00 Concert Choise. — 16.30 BFN Theatre Orchestra.
Saturday: 11.00 Round the Records. — 12.10 Calling Music Lovers. — 19.10 Military Band. — 20.00 Saturday Night Theatre. — 23.00 Saturday Night Swing Shift (until 00.00).

Announcement: "This is the British Forces Network".

Interval-Signal:

Message to Listeners: "Although B. F. N. is primarily a radio service operated by Army Welfare Services for Occupation Forces in the British Zone of Germany, reception reports and programme criticism are always of interest from civilians."

NORDWESTDEUTSCHER RUNDFUNK
Address: Nordwestdeutscher Rundfunk — Rothenbaumchausse 132/134, Hamburg 13 — Dagobertstrasse 38, Köln. — Heidelberger Platz 3, Berlin-Wilmersdorf.

Leading Personalities: Chief Controller: Mr. Hugh Carleton Greene. Deputy Controller (Eng.): Lt. Col. P. A. Findlay. Deputy Controller (Adm.): Mr. P. W. H. Smith. Director of Engineering: Dr. W. Nestel. Director of Administration: Mr. H. H. Wirtz. Director of Programmes: Mr. E. Schütz. Intendant Köln: Mr. H. Hartmann. Manager Köln: Mr. H. H. Fischer. Manager Berlin: Mr. H. E. Haberfeld.

Stations:

Hamburg and Cologne	904 kc/s	331.9 m	100 kW
Berlin	1330 kc/s	225.6 m	5 kW
Hannover	1330 kc/s	225.6 m	20 kW
Flensburg	1330 kc/s	225.6 m	2 kW
Shortwave	6115 kc/s	49.04 m	25 kW

Daily Programmes: *Weekdays:* 05.00-10.20,11.00-23.30.
Sundays: 05.00-23.30.

05.00 Morning Prayer. Programme Preview	16.00 "Jugendfunk" or "Kulturspiegel"
05.45 News	16.30 English by Radio
06.00 Music	16.40 Music
07.00 "Aus der Praxis"	17.30 "Das aktuelle Mikrophon"
07.10 Music	17.50 "Berliner Fenster"
07.45 News	18.00 "Westdeutsches Tagebuch"
09.30 Music	18.30 "Echo des Tages"
10.00 "Suchdienst"	18.45 News, Commentary
11.00 Music	19.00 Music, Opera, Theatre
11.45 News	20.45 News, Commentary
12.00 News, Commentary	23.00 News
12.15 Music	23.10 Dance Music
15.00 Music	
15.45 News, "Wirtschaftsfunk"	

Highlights of Programmes:
Sundays: 10.30 Religious Service, 12.15 Music and Song, 19.00 Operette Music. *Mondays:* 19.00 Symphony Concert. *Wednesdays:* 19.00 Dance Music. *Thursdays:* As you like it. *Fridays:* Theatre. *Saturdays:* 15.00 "Bunter Nachmittag", 19.00 "Bunter Abend".

Announcement: "Nordwestdeutscher Rundfunk, Sender . . . Hamburg, Köln oder Berlin."

Interval-Signal:
Melody: Motiv from Mozarts Opera "Die Zauberflöte". played on Celesta ("Das klinget so herrlich").

French Zone

SÜDWESTFUNK

Address: Südwestfunk Zentrale, Hotel Kaiserin Elisabeth, Moltkestrasse 5, Baden-Baden.

Leading Personalities: General-Intendant: Mr. Friedrich Bischoff. General-Direction: Mr. Oskar Schneider-Hassel. Chief Engineer: Anton Weingärtner. Chief of Station: Lothar Hartmann.

Stations:

Coblenz	1031 kc/s	291.0 m	50 kW
Freiburg	827 kc/s	362.9 m	8 kW

Saarbrücken	1348 kc/s	222.5 m	2 kW
Sigmeringen	827.4 kc/s	362.6 m	5 kW
Kaiserslautern	1465 kc/s	204.8 m	2 kW
Baden-Baden	6321 kc/s	47.46 m	1 kW

Daily Programmes:
Weekdays from 05.00-07.50, 11.00-23.00. *Sundays* from 05.00-23.00.

05.00 News
05.10 Music
06.00 News, Progr. Preview
06.15 Music
06.40 Music
07.00 News
07.30 News in French
07.50 Evangelic Service
11.00 News, Music
12.00 News, Music
12.30 France speaks to Germany
13.00 Music
15.00 Music
17.30 News from Germany (exc. Sun.)
17.45 French by Radio
18.00 Music
18.40 "Tribune der Zeit"
19.00 "Le Magazine de France"
19.15 Music
20.45 France speaks to Germany (exc. Sun.)
21.00 News, Progr. Preview
21.15 Dance Music
22.45 News

Highlights of Programmes:
Symphony Concert: c. 16.00 Sundays.
Theatre: c. 19.30 Tuesdays.
Modern Classical Music: c. 20.15 Mondays.
Orchestra-Concert. c. 19.15 Wednesdays.

Announcement: "Hier Südwestfunk mit den Sendern Baden-Baden, Coblenz, Freiburg, Sigmeringen, Kaiserslautern und angeschlossen der Sender Saarbrücken." Regional programme are announced: "Südwestfunk, Sender Freiburg, Kaiserslautern or Saarbrücken."

Interval-Signal: *Baden-Baden:* Motive from "Zauberfloete". *Coblenz:* First notes from "Rheinishen Volkslied: Dort wo der Rhein". *Freiburg:* Schwarzwälder Kuckucksuhr. *Sigmeringen:* As Freiburg. *Kaiserslautern:* First notes from the song: Ein Jaeger aus Kurpfalz. *Saarbrücken:* Musical motif.

Message to Listeners: "Bitte senden Sie uns Empfangsbeobachtungen."

U. S. S. R. Zone

BERLINER RUNDFUNK

Address: Die Rundfunksender in der Sowjetischen Besetzungszone Wilhelmstrasse 68, Berlin W8.

Leading Personalities: Generalintendant: Mr. Mahle.

Stations:
Berliner Rundfunk.

Berlin I	841 kc/s	356.7 m	100 kW
Berlin II	722 kc/s	415.5 m	120 kW

Mitteldeutscher Rundfunk.

Leipzig	785 kc/s	382.2 m	120 kW
Leipzig	9730 kc/s	30.83 m	12 kW

Landessender Weimar	1031 kc/s	291.0 m	20 kW
Sender Dresden	564 kc/s	532.0 m	1.5 kW
Landessender Potsdam	564 kc/s	532.0 m	20 kW
Landessender Halle	1303 kc/s	230.2 m	20 kW
Landessender Schwerin	1231 kc/s	243.7 m	20 kW

Daily Programmes for Berliner Rundfunk:
Weekdays from 05.00 (Thursdays 04.00)-08.30, 10.00-24.00

05.00 News
05.20 Music
06.00 News
06.10 Music
07.30 "Suchdienst"
08.00 School Broadcast
10.00 News
10.20 Music
12.00 News, "Stadtreporter"
12.20 Music
13.00 Press Review
14.15 Music
15.00 News
15.10 Music
16.45 Music
19.00 News
19.15 Music and Soloists
20.00 Commentary
21.00 News
21.15 "Der Pulzschlag der Zeit"
23.00 News
23.05 Music

Sundays from 05.00-24.00

05.00 News
05.10 Music
07.30 Evangelic Service
08.15 Concert
09.00 News
09.15 Concert
10.30 Bach-Concert
11.00 Commentary
11.15 Concert and Soloists
12.00 News
12.15 Music
13.00 From the Newspapers
14.00 "Die Sonntagskinder"
15.00 Music
16.45 "Innenpolitische Rundschau"
17.00 Music
18.20 Topical News
19.00 News
19.15 Operette-Concert
21.00 News, Sport
21.45 "Die Stimme des Kulturbundes"
22.00 Dance Music
23.00 News
23.05 Music

From 00.00-00.55 (Sun. 00.45): Informationsdienst für die Presse" (only on 30.83 m and 415.5 m.)

Highlights of Programmes:
Symphony Concert: 18.00 on Mondays.
Operette: 18.00 Tuesdays.
Theatre: 18.00 Wednesdays.
"Das Meisterwerk": 20.10 Thursdays.
Opera: 19.00 Fridays.
Variety: 20.10 Saturdays.

MITTEL DEUTSCHER RUNDFUNK

Daily Programmes for Mitteldeutscher Rundfunk:
Weekdays from 05.00-09.15, 11.00-23.10.
Sundays from 05.00-24.00.

Weekdays:

05.00 News, Programme Preview
05.15 Music
07.00 Music (Weekd.)
08.30 Progr. Preview
09.00 News
11.00 News, Music
13.00 News, Press Review
13.15 Music
14.00 Chamber Music
16.15 Music
17.05 "Kulturecho"
18.00 "Aktuelle Sendung"
18.20 Music
18.30 News, Commentary
19.00 Music
20.30 News
20.45 "Probleme des Tages" (Weekd.)
21.00 Music
21.30 Dance Music
23.00 News

Sundays:

05.00 News, Programme Preview
05.15 Music
06.45 Catholic Service
07.30 "Anruf des Lebens"
08.15 Music
09.00 News
10.00 Letters from Listeners
10.30 Bach-Concert
11.00 News
11.15 Music
12.15 Probleme des Tages
12.30 Music
15.00 Music
17.00 "Kulturkommentar"
17.10 "Berühmte Musikwerke"
18.30 News, Commentary
19.00 Music
20.30 News, Sport
21.00 Music
22.00 Dance Music
23.00 News

Landessender Weimar:
Daily from 05.00-23.00.

Sender Dresden:
Weekdays from 05.00-23.00 (Sat. 02.00)
Sundays from 05.00-24.00.

Landessender Potsdam:
Daily from 05.00-08.30 and 10.00-24.00 (Sat. 02.00).

Landessender Halle:
Weekdays: 05.00-09.15, 11.00-23.10 (Sat. 02.00).
Sundays from 05.00-24.00.

Landessender Schwerin:
Weekdays from 05.00-08.30, 10.00-24.00.
Sundays from 05.00-24.00.

Interval-Signal:
Berlin: "Empor zum Licht".

Leipzig: "Phantasie (Freie Erfindung)".
Dresden: "Durch die Wälder, durch die Auen". (Aus dem "Freischütz" v. Weber).
Weimar: "Sah' ein Knab ein Röslein stehn . . ."
Halle: "An der Saale hellem Strande . . ."
Potsdam: "Motiv aus dem Brandenburgischen Konzert von Joh. Sebastian Bach".
Schwerin: "Erwache Volk, erwache . . ." (aus "Empor zum Licht").

GREAT BRITAIN

Normal Clock Time — G. M. T.

Address: The British Broadcasting Corporation, Broadcasting House, Portland Place, London W 1.

Leading Personalities: Chairman: Lord Simon of Wythenshawe, Vice-Chairman: Dowager Marchioness of Reading, Director-General: Sir William Haley, K. C. M. G., Deputy Director General: Sir Noel Ashbridge, Senior Controller: B. E. Nicolls, C.B.E., Controller Finance: T. Lochhead, C. B. E., Chief Engineer: H. Bishop, C. B. E., M. I. E. E., Controller Entertainment: R. J. F. Howgill (acting), Controller Talks: R. A. Rendall, Editor News: J. C. S. Macgregor, Controller European Services: Major-General Sir Ian Jacob, K. B. E., C. B., Controller Home Programme: R. E. L. Wellington, C. B. E., Controller Light Programme: N. Collins, Controller Third Programme: G. R. Barnes, Staff Administration: W. St. J. Pym, C. B. E.

STATIONS FOR HOME-PROGRAMMES ON LONG- AND MEDIUM-WAVES

Home Service:

Moorside Edge	668 kc/s	449.1 m	100 kW	North Reg.
Burghead	767 kc/s	391.1 m	60 kW	Scott. Reg.
Aberdeen	767 kc/s	391.1 m	2.5 kW	Scott. Reg.
Westerglen	767 kc/s	391.1 m	60 kW	Scott. Reg.
Penmon	804 kc/s	373.1 m	10 kW	Welsh Reg.
Wrexham	804 kc/s	373.1 m	0.25 kW	Welsh Reg.
Washford	804 kc/s	373.1 m	60 kW	Welsh Reg.
Brookman's Park	877 kc/s	342.1 m	100 kW	London Reg.
Start Point	977 kc/s	307.1 m	100 kW	West of Eng.
Droitwich	1013 kc/s	296.1 m	60 kW	Midl. Reg.
Norwich	1013 kc/s	296.1 m	1 kW	Midl. Reg.
Lisnagarvey	1050 kc/s	285.7 m	100 kW	N. Ireland
Londonderry	1050 kc/s	285.7 m	1 kW	N. Ireland
Stagshaw	1050 kc/s	285.7 m	100 kW	N. Ireland
Clevedon	1384 kc/s	216.8 m	20 kW	West. Reg.
Bartley	1384 kc/s	216.8 m	10 kW	West. Reg.

Light Programme:

Droitwich	200 kc/s	1500 m	150	kW
Brookmans Park.	1149 kc/s	261.1 m	60	kW
Burghead	1149 kc/s	261.1 m	20	kW
Lisnagarvey	1149 kc/s	261.1 m	10	kW
Londonderry	1149 kc/s	261.1 m	0.25	kW
Moorside Edge	1149 kc/s	261.1 m	60	kW
Aberdeen	1149 kc/s	261.1 m	2	kW
Redruth	1149 kc/s	261.1 m	2	kW
Stagshaw	1149 kc/s	261.1 m	10	kW
Westerglen	1149 kc/s	261.1 m	60	kW
Plymouth	1149 kc/s	261.1 m	0.25	kW

Third Programme:

Droitwich	583 kc/s	514.5 m	20 kW
Syncronised wavel.	1474 kc/s	203.5 m	

STATIONS FOR EUROPEAN SERVICE ON LONG- AND MEDIUMWAVES

Ottringham	167 kc/s	1796 m	150 kW
Crowborough	1122 kc/s	267.3 m	100 kW

The BBC European Service in German, Polish, and Austrian are also radiated by a transmitter at NORDEN in Germany on a wavelength of 456 m power 100 kW.

SHORTWAVE-STATIONS: *London,50 kW*

GRC	2880 kc/s	104.20 m	GSD	11750 kc/s	25.53 m
GRB	6010 kc/s	49.92 m	GVU	11770 kc/s	25.49 m
GWS	6035 kc/s	49.71 m	GWH	11800 kc/s	25.42 m
GSA	6050 kc/s	49.59 m	GSN	11820 kc/s	25.38 m
GRR	6070 kc/s	49.42 m	GWQ	11840 kc/s	25.34 m
GWM	6090 kc/s	49.26 m	GSE	11860 kc/s	25.30 m
GSL	6110 kc/s	49.10 m	GVX	11930 kc/s	25.15 m
GWA	6125 kc/s	48.98 m	GVY	11955 kc/s	25.09 m
GRW	6150 kc/s	48.78 m	GRV	12040 kc/s	24.92 m
GWK	6165 kc/s	48.66 m	GRF	12095 kc/s	24.80 m
GRO	6180 kc/s	48.54 m	GWC	15070 kc/s	19.91 m
GRN	6195 kc/s	48.43 m	GWG	15110 kc/s	19.85 m
GRS	7075 kc/s	42.40 m	GSF	15140 ks/s	19.82 m
GRM	7120 kc/s	42.13 m	GSO	15180 kc/s	19.76 m
GRT	7150 kc/s	41.96 m	GSI	15260 kc/s	19.66 m
GRK	7185 kc/s	41.75 m	GWR	15300 kc/s	19.61 m
GWL	7210 kc/s	41.61 m	GSP	15310 kc/s	19.60 m
GSW	7230 kc/s	41.49 m	GWE	15435 kc/s	19.44 m
GWI	7250 kc/s	41.38 m	GRD	15450 kc/s	19.42 m
GSU	7260 kc/s	41.32 m	GVP	17700 kc/s	16.95 m
GWN	7280 kc/s	41.21 m	GRA	17715 kc/s	16.93 m
GRJ	7320 kc/s	40.98 m	GVQ	17730 kc/s	16.92 m
GRI	9410 kc/s	31.88 m	GSG	17790 kc/s	16.86 m
GSB	9510 kc/s	31.55 m	GSV	17810 kc/s	16.84 m
GWJ	9525 kc/s	31.50 m	GRQ	18025 kc/s	16.64 m
GWB	9550 kc/s	31.41 m	GVO	18080 kc/s	16.59 m
GSC	9580 kc/s	31.32 m	GRP	18130 kc/s	16.55 m
GRY	9600 kc/s	31.25 m	GSH	21470 kc/s	13.97 m
GWO	9625 kc/s	31.17 m	GSJ	21530 kc/s	13.93 m
GVZ	9640 kc/s	31.12 m	GST	21550 kc/s	13.92 m
GWP	9660 kc/s	31.06 m	GRZ	21640 kc/s	13.86 m
GWT	9675 kc/s	31.01 m	GVR	21675 kc/s	13.84 m
GRX	9690 kc/s	30.96 m	GVS	21710 kc/s	13.82 m
GRH	9825 kc/s	30.53 m	GVT	21750 kc/s	13.79 m
GRU	9915 kc/s	30.26 m	GSQ	25750 kc/s	11.65 m
GRG	11680 kc/s	25.68 m	GSK	26100 kc/s	11.49 m
GVW	11700 kc/s	25.64 m	GSR	26400 kc/s	11.36 m
GVV	11730 kc/s	25.58 m	GSS	26550 kc/s	11.30 m

DAILY PROGRAMME FOR HOME

Home Service:

Weekdays 06.30-23.03

06.30 Music	10.15 The Daily Service
07.00 News	10.30 Music
07.10 Programme Parade	13.00 News
07.15 Music	14.00 Schools
08.00 News	18.00 News
08.10 Programme Parade	21.00 News
08.15 Music	23.00 News

Sundays from 07.55-23.03.

07.55 Weather Forecast
08.00 News
08.10 Programme Parade
08.20 Music
09.30 Morning Service
10.15 Music
13.00 News
13.40 Music
18.00 News
19.45 Evening Service
21.00 News
23.00 News

Light Programme:

Weekdays from 09.00-23.00.

09.00 News and Newsreel
09.10 Housewives' Choice
10.00 Forces Educational Broadcast
11.15 Music
12.30 Concert Hour
14.00 Woman's Hour
15.00 Cafe on the Corner
15.30 Music while you work
16.00 The Robinsons
18.15 Music
19.00 News, Newsreel
19.30 Light Entertainm.
22.00 News
22.15 Light Entertainm.

Sundays from 08.00-23.00.

08.00 Music
09.00 News
09.10 Music
11.30 People's Service
12.00 Music
17.00 Family Favourites
19.00 News, Newsreel
20.15 Music
21.00 Sunday Half Hour
22.00 News

Third Programme: Daily from 18.00-23.00.
This Programme consists generally of music, radio-play and talks. There are no news broadcasts.

DAILY PROGRAMME FOR EUROPE
European Service in English and other Languages from 04.00-23.15:

04.00 German
04.15 Czechoslovak
04.30 Polish — Russian
04.45 Bulgarian — English
05.00 German — Greek
05.15 Hungarian
05.30 Austrian — Roumanian
05.45 Italian
06.00 English
06.15 English Serbo Croat
06.30 French
06.45 Dutch — English
07.00 French — German
07.15 English
07.30 Interruption
07.45 English
08.00 French
08.30 English — Luxembourgish (Sun.)
08.45 English (Sun.)
09.15 English Daily Service (Weekd.)
09.30 Austrian
09.45 Interruption
10.30 English
10.45 English
11.00 Bulgarian — Norwegian
11.15 Danish — English
11.30 English — French
11.45 English — French
12.00 English — German — Czechoslovak
12.15 English — Greek — German
12.30 Italian — French — Polish — Portuguese
12.45 English — Roumanian
13.00 English
13.15 Spanish — Dutch
13.30 Interruption
13.45 Serbo-Croat
14.00 Interruption

15.00 English — German — Finnish (Sun.)
15.15 German — Hungarian — Finnish (Sun.)
15.30 Italian — Finnish (Sun.)
15.45 English — Italian
16.00 German — French — Czechoslovak* — Finnish
16.15 English* — German — Finnish (Sun.)
16.30 Albanian — French — Austrian
16.45 French — Austrian — Slovene — Russian
17.00 English — Bulgarian — Russian — Flemish
17.15 French — English — Bulgarian — Roumanian*
17.30 French* — Italian — Norwegian — Polish
18.00 English — Greek — German
18.30 German — Hungarian — Swedish — French
19.00 German — French — Danish — Roumanian
19.15 French — Danish — Roumanian — German
19.30 German — Greek* — Dutch — Serbo-Croat
19.45 German — Dutch — Serbo-Croat — Russian
20.00 Russian — French — Czechoslovak — German
20.15 Czechoslovak — German — Bulgarian* — French
20.30 French — Serbo-Croat* — Polish — Portuguese
20.45 French — Polish — Portuguese — Hungarian*
21.00 Austrian* — Spanish — Italian — English and French
21.15 German — Spanish — Italian — English and French
21.30 Italian — Spanish — English
21.45 English
22.00 French* — German
22.15 Interruption
23.00 French

* Transmissions originate in Newyork and are relayed by the BBC.

European Service under Languages:
The Greenwich Mean Times given are subject to alteration according to the seasonal clock changes in the countries to which the broadcasts are directed, the aim being to maintain each broadcast at the same listening time throughout the year.

Albanien from 16.30-16.45 in 41-31-25-19 m. b. News and Progr.

Austrian from 05.30-05.45 on 1796 and 456 m and in 49-41-31 m. b.
09.30-09.45 on 1796, 456 m and in 41-31 and 25 m. b.
16.30-17.00 on 1796, 456 m and in 41-31 and 25 m. b.

Belgian from 17.-00-17.30 on 267 m and in 41-31-25 m. b.
17.00 Programmes in Flemish — 17.15 Programmes in French.

Bulgarian from
04.45-05.00 on 267 m and in 41-31-25 m. b.
11.00-11.15 in 31-25-19 m. b.
17.00-17.30 in 41-31-25-19 m. b.
News, Press Review and Programmes.

Czechoslovak from
04.15-04.30 on 456 m and in 49-41-31-25 m. b.
12.00-12.15 in 31-25-19 m. b.
20.00-20.30 on 1796 m and in 41-31-25 m. b.
News, Commentaries and Programmes.

Danish from
11.15-11.30 on 1796 m and in 41-31-25-19 m. b.
19.00-19.30 1796 m and in 41-31-25-19 m. b.
News and Programmes.

Dutch from
06.45-07.00 on 1796 m and in 49-41-31 m. b.
13.15-13.30 on 1796 and 267 m and in 41-31-25-16-13 m. b.
19.30-20.00 on 1796 m and in 41-31-25 m. b.

English:

05.45 English by Radio — on 1796-456 m and in 49-41 m. b.
06.00 English by Radio — on 267 m and in 49-41-31-25 m. b.
06.15 News and Press Review — on 1796-456 m and in 49-41-31 m. b.
06.45 English by Radio — on 456 m and in 49-31 m. b.
07.15 News and Press Review — on 267 m and in 49-41-31-25 m. b.
07.45 English by Radio — on 267 m and in 49-41-31-25 m. b.
08.30 Religious Service (Sun.) — on 1796-456 m
09.15 Religious Service (Weekd.) — on 1796-456 m
10.30 News, Dictation — on 1796 m and in 41-31-25-19 m. b.
10.45 News, Dictation — on 456 m and in 41-31-25 m.b.

10.45 English by Radio	on 1796 m and in 49-41-31-25-19 m. b.
11.15 News, Dictation Speed.	in 31-25-19 m. b.
11.30 English by Radio	in 31-25-19 m. b.
11.30 News and Commentary	on 1796 m and in 41-31-25 m. b.
11.45 English by Radio	on 1796-456 m and in 41-31-25 m. b.
12.00 English by Radio	on 267 m and in 41-31-25 m. b.
12.15 News Dictation	on 267 m and in 41-31-25-19 m. b.
12.45 News and Commentary	on 267 m and in 41-31-25-19 m. b.
13.00 English by Radio	in 41-31-25-19 m. b.
15.00 English by Radio	in 41-31-25-19 m. b.
15.45 English by Radio	on 267 m and in 41-31-25-19 m. b.
17.00 News Dictation	on 1796-456 m and in 41-31-25 m. b.
17.15 English by Radio	on 1796-456 m and in 41-31-25 m. b.
18.00 London calling Europe	on 1796-267 m and in 41-31-25-19 m. b.
21.00 Music Programme	on 1796 m and in 49-41-31 m. b.
21.15 London calling Europe	on 456 m and in 49 m. b.
21.30 News and Commentary	on 1796-456 m and in 49-41-31 m. b.
21.45 News and Commentary	on 267 m and in 41-31 m. b.
21.45 English by Radio	on 1796 m and in 49-41-31 m. b.

Finnish from
15.00-15.45 in 25-19 m. b. (Sundays only)
Dance Music and Listeners Request.
16.00-16.30 in 41-31-25-19 m. b.
News and Programmes.

French:

06.30 News	on 267 m and in 49-41-31 m. b.
07.00 News	on 267 m and in 49-41-31 m. b.
08.00 News, Press Review	on 267 m and in 49-41-31-25 m. b.
11.30 News, Commentary	on 267 m and in 41-31-25 m. b.
12.30 News	on 267 m and in 41-31-25 m. b.
16.00 English by Radio	on 267 m and in 41-31-25 m. b.
16.30 Music or Talks	on 267 m and in 41-31-25 m. b.
18.30 News, Commentary	on 267 m and in 41-31-25 m. b.
20.00 English by Radio	on 267 m and in 41-31 m. b.
20.15 News Commentary	on 267 m and in 49-41-31 m. b.
20.30 Programme	on 267 m and in 49-41-31 m. b.
21.00 Music	on 1796 m and in 49-41-31 m. b.
23.00 News	on 267 m and in 49-41 m. b.

German:

04.00 News	on 1796-456 m and in 49-41 m. b.
05.00 News, Talk	on 1796-456 m and in 49-41-31 m. b.
07.00 News, English by Radio	on 1796-456 m and in 49-41-31 m. b.
12.00 News	on 1796-456 m and in 41-31-25 m. b.
15.00 Press Review	on 1796-456 m and in 41-31-25 m. b.
15.15 Programme	on 1796-456 m and in 41-31-25 m. b.
16.00 News and Programme	on 1796-456 m and in 41-31-25 m. b.
17.15 Programme	on 1796-456 m and in 41-31-25 m. b.
18.00 News	on 456 m and in 41-31-25 m. b.
18.15 Press Review	on 456 m and in 41-31-25 m. b.
18.35 English by Radio	on 456 m and in 41-31-25 m. b.
18.45 Programme	on 456 m and in 41-31-25 m. b.
19.00 Programme	on 456 m and in 41-31-25 m. b.
20.00 News and Programme	on 456 m and in 41-31-25 m. b.
22.00 News	on 456 m and in 49-41-31 m. b.

Greek:

05.00 News and Programme	on 267 m and in 41-31-25 m. b.
12.15 News	in 31-25-19 m. b.
18.00 News and Programme	in 41-31-25-19 m. b.

Hungarian:

05.15 News and Press Review	on 267 m and in 41-31-25 m. b.
15.15 News and Topical Talk	in 41-31-25-19 m. b.
18.30 News and Programme	in 41-31-25-19 m. b.

Italian:

05.45 News and Programme	on 267 m and in 41-31-25 m. b.
12.30 Programmes	in 31-25-19 m. b.
17.30 News and Commentary	in 41-31-25-19 m. b.
21.00 Commentary, Programmes	on 267 m and in 41-31-25 m. b.

Luxembourgian:

08.30 Programme (Sundays only)	on 267 m and in 49-41 m. b.

Norwegian:

11.00 News	on 1796 m and in 41-31-25-19 m. b.
17.30 News and Programme	on 1796 m and in 41-31-25-19 m. b.

Polish:

04.30 News and Review	on 1796-456 m and in 49-41 m. b.
12.30 News	on 1796-456 m and in 41-31-25 m. b.
17.30 News and Programme	on 456 m and in 41-31-25 m. b.
20.30 News and Programme	on 1796-456 m and in 41-31 m. b.

Portuguese:

12.30 News and Press Review	in 41-31-25-19-13 m. b.
20.30 News, Commentary	in 41-31-25-19 m. b.

Roumanian:

05.30 News and Talks	on 267 m and in 41-31-25 m. b.
12.45 News and Press Review	in 31-25-19 m. b.
19.00 News and Programme	in 41-31-25-19 m. b.

Russian:

04.30 News and Programme	in 49-41-31-25 m. b.
16.45 News and Programme	in 49-31-25-19-16 m. b.
19.45 News and Programme	in 49-31-25-19 m. b.

Spanish:

13.15 News and Press Review	in 41-31-25-19 m. b.
21.00 News and Programme	in 41-31-25-19 m. b.

Swedish:

18.30 News and Programme	on 1796 m and in 41-31-25-19 m. b.

Yugoslav:
06.15 News and Programme (Serbo-Croat) on 267 m and in 41-31-25 m. b.
13.45 News and Comments (Serbo-Croat) in 31-25-19 m. b.
16.45 News and Programme (Slovene) in 41-31-25-19 m. b.
19.30 News and Programme (Serbo-Croat) on 267 m and in 41-31-25-19 m. b.

B. B. C. Publications:
Domestic: "The Radio Times" and "The Listener".
Overseas: London calling.
Europe: European Programmes Bulletin.

B. B. C.'s OVERSEAS SERVICES

General Overseas Service: The General Overseas Service which runs continuously throughout the twenty-four hours, and can be heard at suitable times all over the world, is addressed to all who regard the United Kingdom as home, wherever they may be. All programmes are in English.

Daily Programmes:

02.00 Programme Preview	13.00 News
03.00 News	13.10 Programme Preview
03.10 From today papers	14.00 Radio Newsreel
04.00 Radio Newsreel	15.15 Programme Preview
04.15 News Summary	16.00 News (exc. Sat.)
06.00 News	17.00 Radio Newsreel
06.10 The Daily Service (exc. Sundays)	18.00 News
	18.10 Home News
07.00 News	20.00 News
07.05 Home News	23.00 News
07.10 Programme Preview	23.10 Programme Preview
08.00 News	00.00 Radio Newsreel
11.00 News	01.00 News
11.10 Home News	01.10 Home News
12.00 From today papers	

The times at which the General Overseas Service is available in various parts of the world and the appropriate wavebands are:

North China, Japan, North Western Pacific Area:
04.00-15.15 on 31-25-19-16-13 m. b.

South-Western Pacific Area:
06.00-10.00 on 19-13 m. b.

India, Pakistan, Ceylon, Burma, Malaya, South China, South East Asia:
01.00-17.00 in 49-31-25-19-16-13 m. b.

Iraq and Persia:
04.00-19.30 on 31-25-19-16-13 m. b.

East Africa, Near East' and Eastern Mediterranean Area:
04.00-21.00 on 31-25-19-16-13-11 m. b.

Italy and Central Mediterranean Area:
04.00-22.45 on 49-31-25-19 m. b.

North Africa:
04.00-09.00 on 31-25 m. b.
15.30-21.00 on 31-25-16 m. b.

Central and South Africa:
04.00-09.00 on 25-16 m. b.
10.00-21.00 on 31-25-16-13-11 m. b.

West Africa:
04.00-09.00 on 31-25-16 m. b.
09.00-22.45 on 31-19-16-13-11 m. b.

Gibraltar and Western Mediterranean Area:
04.00-09.00 on 31-25 m. b.
10.00-22.45 on 31-19-13 m. b.

South America south of Amazon:
11.00-15.15 on 13 m. b.
16.00-03.15 on 31-25-19-13 m. b.

West Indies, Central America, S. America north of Amazon.
11.00-13.15 and 14.15-16.15 on 16 m. b.
17.00-03.15 on 49-31-25-19-13 m. b.

North America:
10.00-13.00 on 25-16 m. b.
02.45-04.00 on 49-31-25 m. b.

The metre bands as shown above do not cover the whole of the transmission time of the services, but each service is audible in one of the metre bands shown throughout its overall time

Pacific Service: *In English*, Directed to Australia, New Zealand and Pacific.
From 06.00-10.00 on 31-25-19-16-13 m. b.
06.00 News. — 06.10 Programme Preview
06.30 Radio Newsreel
08.00 News. — 09.40 From Today's Papers. — 09.45 Programme Preview
09.53 The Daily Service (exc. Sundays)

Eastern Service: *In English and Indian Regional Languages.*
From 13.30-15.30 and 16.00-16.45 on 31-19-16-13 m. b.
16.00 News in English — 16.10 From Today's Papers

Far Eastern Service: *In English, French, Dutch and Far Eastern Languages.*
Directed to Burma, Malaya, South China, South East Asia, North China and Japan.
From 11.00-14.00 on 19-16-13 m. b.
11.00 News in Japanese — 11.30 News in Chinese
11.45 News in English — 11.55 English by Radio (exc. Sundays)
12.15 News in French — 12.30 News in Malay
12.45 News in Siamese — 13.00 News in Burmese
13.15 News in Dutch — 13.30 News in Kuoyu

African Service — *In English and Afrikaans.*
From 15.30-21.00 on 31-25-16-13 m. b.

15.30 Afrikaans News	18.10 Home News
15.40 Programme Preview	20.40 The Daily Service (exc. Sundays)
16.00 News in English	
17.00 Radio Newsreel	20.45 News
18.00 News in English	

Special Service for Cyprus and Malta: *In English, Greek Maltese and Turkish.*
From 18.30-18.45 on 31-25 m. b.

North American Service: *In English and French.*
From 13.00-14.00, 14.15-16.15 and 16.30-02.45 on 49-31-25-16-13 m. b.

21.15 Programme Preview	01.00 News
21.45 News	01.10 The Daily Service
23.45 News	02.30 News
00.15 Programme Preview	02.38 From Tomorrows Papers
00.30 Radio Newsreel	

Latin American Service *in Portuguese:* Directed to Central- and South America.
From 15.30-15.45 and 22.00-01.30 on 31-25-19-13 m. b.
15.30 News 22.00 Programme Preview 22.15 News
00.00 News 01.15 News summary

Latin American Service *in Spanish:* Directed to Mexico, Central- and South America.
From 14.00-14.15, 16.00-16.30 and 22.00-03.45 on 49-31-25-19-16-13 m. b.

14.00 News from Mexico — 00.00 News
16.00 News — 02.00 News
22.00 News Summary, Progr. Preview
23.00 News Summary — 03.15 News

Near Eastern Service: *In Arabic, Persian and Turkish.* Directed to Near and Middle East, North Africa and Western Mediterranean.

From 04.45-05.30, 10.45-11.00, 15.45-18.15, 19.30-20.30, 21.00-21.15 in 49-31-25-19-16 m. b.
Arabic from 04.45-05.15, 10.45-11.00, 17.00-18.15, 19.30-20.30
Persian from 15.45-16.30
Turkish from 05.15-05.30, 16.30-17.00, 21.00-21.15 (exc. 49 m. b.)

Announcement: Home Programme: "This is the B. B. C., Home service light programme or third programme". **European Service:** "This is London calling in the European Service of the B. B. C.". In French: "Ici Londres". In German: "Hier ist England". In Dutch: "Hier is London". In Italian: "La Voce di Londra".

B. B. C.'s Overseas Services: "This is London calling in the General Overseas Service of the B. B. C. . . ." "You are listening to the General Overseas Programme, coming to you from the Studio of the B. B. C. in London". "This is London calling the Pacific, African, North American. . . etc. . . . Service of the B. B. C.".

Interval-signal: Every hour on the hour: Big-Ben.

Message to Listeners: "The B. B. C. London welcomes letters from its listeners throughout the world, with comments on the substance and reception of its various broadcasts. Any such letters addressed to the B. B. C., London W 1, will receive the most careful attention".

GREENLAND

Normal Clock Time — G. M. T. minus 3 hours.

Address: Radiostation Godthaab, Greenland.

Station Godthaab
5942 kc/s 50.49 m 1 kW

Daily Programmes from 21.45-22.45.
21.45 Weather report — 22.15 Ships-Position
22.00 News in Danish — 22.30 News in Eskimo

Announcement in Danish: "God Aften. Her Grønlands Radio."

Interval-Signal: Chimes and first movement of six bars, played twice, of the Funeral March by Norman Andersen which was composed for Kjell Abel's play "Silkeborg".

GREECE

Normal Clock Time — G. M. T. plus 2 hours.
Address: Ethnikon Edrima Radiofonos (National Radio Institute), Rue Riqhilles No. 4, Athens.

Leading Personalities: Director General: Mr. Demetre Svolopoulus. Programme Chief: Mr. Stratis Myrivilis. Music Chief: Mr. Spyridon Farantatos. Chief Engineer: Mr. Vasili Aslanides.

Stations:
Radio Athens 601 kc/s 499.2 m 15 kW
(to be increased to 70 kW)
Radio Salonika 804 kc/s 373.1 m 2 kW
Relay and Regional
Shortwave station (7 kW) under construction.

Daily Programmes:
Weekdays from 04.30-07.00, 10.00-13.00 and 15.00-23.00
Sundays: 04.30-07.30, 09.00-13.00 and 15.00-23.00

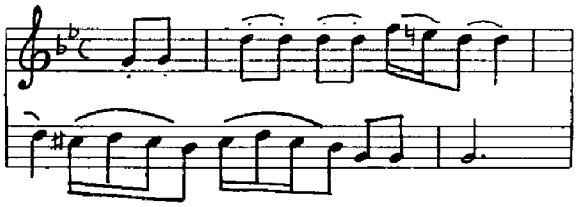
Sundays: 06.00 Holy Mass from Athens Cathedral. — 09.00 Symphony Concert. — 15.30 Ballet Music. — 20.30 Opera.
Mondays: 18.05 Symphony Concert.
Tuesdays: 15.10 Old Music. — 18.30 Popular Songs. — 22.00 American Music.
Wednesdays: 16.15 Light Music. — 19.45 Piano Music. — 21.30 Mandoline Concert.
Thursdays: 15.10 Famous Soloists. — 15.45 Operette. — 18.50 Greek Songs. — 20.30 Symphony Concert. — 21.40 American Songs.
Saturdays: 10.50 Opera. — 12.40 Listeners Concert. — 16.15 Symphony Concert. — 17.15 Choir. 18.30 Popular Songs. — 20.30 Violin-Concert.

Daily News:
In Greek. 05.15, 10.15, 11.15, 12.30, 18.15, 20.15, 21.15 and 22.30. — *In Bulgarian:* 17.30. — *In French:* 16.00. — *In English:* 17.00 (Thursdays and Saturdays).

News from U. S. A. are daily relayed from Newyork at 19.30.

Announcement: "Ici Athenes" and "Ici Poste Radiophonique de Salonique".

Interval-signal: Motive played by flute.



Message to Listeners: Reception reports will be much appreciated and critics of our programmes are welcomed.

HOLLAND

Normal Clock Time — G. M. T. plus 1 hour.

Address: Nederlandsche Radio Unie, The Dutch Radio Union, Postbox 150, Hilversum.
The Dutch Programmes are provided by the following broadcasting societies:
A. V. R. O.: Algemeene Vereeniging Radio Omroep.
K. R. O.: Katholieke Radio Omroep.
N. C. R. V.: Nederlandsche Christelijke Radio Vereeniging.
V. A. R. A.: Vereeniging van Arbeiders Radio Amateurs.
V. P. R. O.: Vrijzinning Protestantsche Radio Omroep.

Central Address for the four principal broadcasting societies: Centraal Bureau voor den Omroep in Nederland, Postbox 52, Hilversum.

Radio Nederland-Wereldomroep PCJ (Shortwave Station), 1 Bothalaan. Hilversum, including the "Happy Station" PCJ, Postbox 137, Hilversum.

Leading Personalities of De Nederlandsche Radio Unie: Professor Dr. J. B. Kors, O. P.-Chairman: Mr. J. W. Lebon — Secretary: Mr. G. de Clercq — Treasurer Members: Mr. J. B. Broeksz, Miss Dr. N. A. Bruining, Mr. A. van der Deure (L. L. D.), Mr. K. van Dijk, Mr. P. A. M. Speet and Mr. W. Vogt —
General Manager of *Wereldomroep PCJ:* Mr. H. J. van den Broek — Head of Nederlands Programme Service: Mr. G. Sluizer — Head of International Programme Service: Mr. C. S. Telders.

Stations:

Hilversum I	995 kc/s	301.5 m	100 kW	
Hilversum II	722 kc/s	415.5 m	60 kW	
Groningen	1222 kc/s	245.0 m	3,5 kW	North Reg.
Maastricht	1222 kc/s	245.0 m	2 kW	South Reg.

PCJ:	15220 kc/s	19.71 m	40 kW
	9590 kc/s	31.28 m	40 kW
PHI:	17770 kc/s	16.88 m	5 kW
	11730 kc/s	25.57 m	5 kW
PGD:	6025 kc/s	49.79 m	5 kW

HOME PROGRAMMES

Daily Programmes for Hilversum I:

Weekdays: 06.00-23.00	*Sundays:* 07.00-23.00
06.00 News	07.00 News
06.30 Music	07.40 Music
07.00 News	11.30 Sunday Club
07.15 Music	12.00 News
10.00 Music	13.30 Music
12.00 News, Music	17.00 News
13.45 Music	18.00 Concert
17.30 For the Forces	19.00 News
19.00 News	19.05 Actualities
22.00 News, Music	19.15 Music
	22.00 News, Music

Daily Programmes for Hilversum II:

Weekdays: 06.00-23.00	*Sundays:* 07.00-23.00
06.00 News	07.00 News
06.30 Music	07.15 Music
07.00 News	08.30 News
07.15 Music	08.45 Symphony Concert
08.35 Music	09.00 Religious Service
12.00 News	11.00 Music
12.15 Music	12.00 News, Music
18.00 News	13.00 Concert
18.30 Actualities	16.00 Religious Service
19.00 News	18.30 News
21.30 News	19.05 Actualities
21.45 Religious Service	21.30 News, Music
22.00 News, Music	21.45 Catholic News
	21.50 Music

RADIO NEDERLAND — WORLD PROGRAMME PCJ

DAILY PROGRAMMES *to Europe and Africa* on *25.57, 31.28, 49.79 m.*

Dutch: 16.45-17.30 (Sat. only)
16.45 Music — 17.00 Children's hour

English: 17.30-18.30 (exc. Sun.)
17.30 Music — 18.00 News — 18.20 Records.

Dutch: 18.30-20.30 (Sun. 20.35)

18.30 News, Causerie, Talks etc.	19.36 Press Preview (exc. Wedn. and Sun.)
18.40 Concertgebouw-orchestra (Sun.)	19.45 Music (exc. Wedn.)
19.00 Music (Weekd.)	20.10 Religious Service (Sun.)
19.30 News	20.15 Various (Weekd.)
	20.25 News (Weekd.)
	20.30 News (Sun.)

English: 21.00-22.30 (Sun. Wedn.)
21.00 "The Happy Station". Presented and produced by Edw. Startz.

Highlights of Programmes for International Listeners:
Sundays: 18.40 Concertgebouworchestra Amsterdam.
Tuesdays: 19.00 "Nederland zingt" (Concert of Dutch songs by orchestra, choir and soloists).
Fridays: 19.00 Metropole Orchestra.
Saturdays: 17.00 Children's Hour — PCJ Correspondence Club.

Special Programmes for Dutch Listeners:
Daily (except Sundays and Wednesdays): 15.40 Forces Programme.
Wednesdays: 19.45 "PCJ roept het Schip van de Week" (PCJ calls the Netherlands' merchant seamen).

DAILY PROGRAMME *to America and West Indies* on *25.57, 31.23* and *49.79 m.*

Spanish: 22.30-23.30 (Weekd.)
22.30 Music, 23.00 News, 23.20 Records.

Dutch: 23.30 (Sun. 22.45)-01.45

22.45 Music	00.45 Music (Sun.)
23.00 Children's hour (Sun.)	00.50 Programme Preview (Weekd. exc. Wedn.)
23.30 News and Various	01.00 Music (exc. Wedn.)
23.40 Music (Sun.)	01.10 Religious Service (Sun.)
00.00 Music (exc. Wedn.)	01.30 Various (Weekd.)
00.30 International News	01.40 News
00.36 Progr. for the West	

English: 02.00-02.50 (exc. Mond.), and 03.00-04.30 (Mon. Thurs. only)

02.00 Music	03.00 *"The Happy Station"* produced by Edw. *Startz*
02.30 News	
02.50 Music (Wedn. only)	

Highlights of Programmes:
Sundays: 23.40 Concertgebouworchestra Amsterdam.
Wednesdays: 00.00 "Nederland zingt".
Thursdays: 01.00 "PCJ roept het Schip van de Week" (PCJ calls the Netherlands' merchant seamen).
Saturdays: 00.00 Metropole Orchestra.

DAILY PROGRAMMES *to East and Far East on 16.88, 19.71* and *49.79 m.*
English: 09.00-10.30 (Tuesd. only) 10.30-10.50 (Weekd. only).
09.00 "The Happy Station" produced by Edw. Startz
10.30 News

Dutch: 13.00 (Sat. 12.00)-16.15
12.00 For Youth
13.00 Programme for the East
13.30 Programme Preview
14.00 News and Indonesian News
14.30 Music (Weekd.)
15.00 Indonesian News (Sun.) International News Weekd.)
15.06 Press Review (Weekd.)
15.07 Programme Preview (Sun.)
15.16 Programme Preview (Weekd.)
15.28 News Summary
15.30 Programme for the East
15.40 For the Forces (exc. Sun. Wedsn.)

English: 15.45-17.15 (Sun. Wedsn.)
15.45 *"The Happy Station"* produced by Edw. *Startz.*

Announcement: An old Dutch folk-song called: "In naam van Oranje". "Hier Radio Nederland via de kortegolfzender PCJ met onze dagelijkse uitzending bestemd voor alle landen rijksgenoten buiten het vaderland. Goeden morgen, goeden middag en goeden avond Nederlanders, waar ook ter wereld.« (Here Radio Netherlands via short wave transmitter PCJ, with our daily broadcast for all Dutch Nationals abroad. Good morning, good afternon and good night Netherlanders, wherever you are).
News in English: An old Dutch folk-song called: ««Wie gaat mee overzee". "This is the international programme service of station PCJ Hilversum Holland, bringing you "News of the Netherlands".

General Interval-Signal: Old Dutch folk-song called: "Merch toch hoe sterck" played on vibraphone.

Message to Listeners of "Radio Nederland Wereldomroep": Reports on the listening value and the technical quality of our programmes will be welcome and should be addressed to: PCJ, P. O. Box 137, Hilversum, Holland."

HUNGARY

Standard Time — G. M. T. plus 1 hour.

Address: Chief for Section Foreign Relations, Magyar Kzponti Hirado Rt., Brody Sandor-u. 5-7. Budapest VIII.

Leading Personalities: President: Dr. Gyula Ortutay. Vice-President: Mr. Sandor Barcs. General-Manager: Mr. Peter Kelen, Programme Director: Mr. Gyula Schöpflin. Chief-Engineer: Mr. Bela Tomcsanyi. Head of the Section Foreign Relations: Dr. György Kaldor.

Stations:

Budapest I	546 kc/s	549.5 m	50 kW	
Budapest II	1040 kc/s	288.5 m	8 kW	
Pecs	1465 kc/s	204,8 m	1.25 kW	Relay Budap. I
Miskolc	1438 kc/s	208.8 m	1.25 kW	Relay Budap. I
Magyarovar	1321 kc/s	227.1 m	0.4 kW	Relay Budap. I

Daily Programmes: Budapest I (National) from 05.30-09.00, 11.00-23.30. Budapest II (National) from 16.00-22.00.

05.45 Exercise	16.10 Political News
06.00 News, Programme Preview	19.00 News
	20.50 News in Russian
06.30 Records	21.00 News
07.15 Music	21.20 Programme Preview
09.00 News	22.00 Music
11.00 News	23.00 News
11.15 Music	23.10 News in French
13.00 News	23.20 News in English
14.55 Programme Preview	23.30 News in Esperanto (Mon., Wedn. and Fri.)
16.00 News	

Highlights of Programmes:
Hungarian Music: Mondays at 19.20.
Radio Messages: Tuesdays at 17.15 on 549.5 m. (To Hungarians abroad).
Weekly Newsreel: Saturdays at 20.00 on 549.5 m. (Interviews and reportage).

Announcement: "Radio Budapast egy."

Interval-signal:

Message to Listeners: "Once or twice a month we arrange foreign soirées e. g. "Swedish Soirée", Programme of English Music etc. These are usually musical programmes or commemorative ones, interspersed with talks in Hungarian acquainting our listeners with the country or foreign personage in question."

ICELAND

Normal Clock Time — G. M. T. minus 1 hour.

Address: Iceland State Broadcasting Service, (Rikisutvarpid), Reykjavik.

Leading Personalities: Director General: Mr. Jonas Thorbergsson, Chief Engineer: Mr. Gunnlaugur Briem. Director of Programmes: Mr. Helgi Hjörvar.

Stations:

Reykjavik	TFU	271 kc/s	1107 m	100 kW	
Eidar	TFE	615 kc/s	487,8 m	1 kW	Relay TFU
Reykjavik	TFJ	12235 kc/s	24.52 m	7 kW	

Daily Programmes from 09.00-23.00
News at 09.30, 13.30, 17.30, 21.00 and 23.00
TFJ has no regular broadcast, occasionaly hired by the State Broadcast for programmes abroad.

Announcement: "Utvarp Reykjavik".

ITALY

Normal Clock Time — G. M. T. plus 1 hour.

Address: Radio Italiana RAI, Direzione Generale e Direzione Programmi Rete Azzurra: Via Arsenale, 21, Torino. Radio Italiana RAI, Direzione Programmi Rete Rossa: Via delle Botteghe Oscure, 54, Roma.

Leading Personalities: President of the Radio Italiana RAI Rome: On Giuseppe Spataro, M. of P. Director-General Rome: Rag. Salvino Sernesi. Joint General Manager, Turin: Dr. Marcello Bernardi.

Stations: Ret Network (Rete Rossa — Red Network).

Ancona	1492 kc/s	201.1 m	0,25 kW[1])
Bari I	1059 kc/s	283.3 m	20 kW
Bologna I	1303 kc/s	230.2 m	50 kW
Catania	1104 kc/s	271.7 m	5 kW
Florence II	1104 kc/s	271.7 m	5 kW
Genoa I	986 kc/s	304.3 m	10 kW
Milan	1357 kc/s	221.1 m	10 kW
Naples I	1312 kc/s	228.7 m	5 kW[2])
Rome I	713 kc/s	420.8 m	100 kW
Palermo	565 kc/s	531.0 m	10 kW
San Remo	1348 kc/s	222.6 m	0,25 kW
Turin II	1357 kc/s	221.1 m	20 kW

Stations: Blue Network (Rete Azzurra — Blue Network).

Bari II	1348 kc/s	222.6 m	1 kW
Bologna II	1068 kc/s	280.9 m	1 kW
Bolzano	536 kc/s	559.7 m	20 kW
Florence	610 kc/s	491.8 m	100 kW
Genoa II	986 kc/s	304.3 m	5 kW
Messina	1492 kc/s	200.1 m	5 kW
Milan I	814 kc/s	368.6 m	50 kW
Naples II	1069 kc/s	280.9 m	1 kW[3])
Rome II	1258 kc/s	238.5 m	5 kW
Turin I	986 kc/s	304.3 m	80 kW
Venice	1222 kc/s	245.5 m	20 kW
Verona	1348 kc/s	222.6 m	1 kW

[1]) In 1947 will be increased to 5 kW.
[2]) In 1948 will be increased to 100 kW.
[3]) In 1948 will be increased to 5 kW.

Autonomous Stations:

Radio Sardegna	536 kc/s	559.7 m	5 kW
Trieste	1140 kc/s	263.2 m	10 kW

Shortwave Stations:

Busto Arsizio I	9630 kc/s	31.15 m	50 kW
Busto Arsizio II	11810 kc/s	25.40 m	50 kW
Busto Arsizio III	15120 kc/s	19.84 m	50 kW
Rome (M. Mario)	7270 kc/s	41.26 m	1 kW
Rome (M. Mario)	7250 kc/s	41.38 m	1 kW

DAILY PROGRAMMES for Mediumwaves:

Weekdays: 06.10-07.40, 10.30-14.15 and 16.30-23.00.
Sundays: 06.30-08.00, 08.45-15.30 and 16.30-23.00.

The two networks are, at present, working in conjunction only for the transmission of news and other items of an exceptional kind.

Red Network.

Weekdays:	
06.16 News	22.20 Music
06.26 Music	22.45 News
07.00 News	
07.10 Various	*Sundays:*
10.30 Music	06.30 Music
12.00 News	07.00 News
12.15 Music	07.45 Evangelic Service
13.20 "Window on the World"	08.45 Catholic Bulletin
	10.30 Mass from the Vatican
13.35 Music	12.00 News
14.00 News	12.15 Music and Cabaret
16.30 Symphony	16.30 Symphony Music
18.00 Music	17.45 Light Music
18.40 Internation. University Guglielmo Marconi	18.40 Sports
	22.00 News
19.00 News	22.25 Light Music

Highlights of Programmes:
Theatre: Mondays c. 19.30
Music-Hall: Tuesdays 19.30 and Fridays c. 19.30
Symphony Concert: Wednesdays c. 19.30
Opera: Saturdays c. 19.30

Blue Network:

Weekdays:	*Sundays:*
06.15 News	06.30 Music
06.26 Music	07.00 News
07.00 News	07.45 Evangelic Service
10.30 Music	08.45 Catholic Bulletin
12.00 News	10.30 Mass from the Vatican
12.15 Music	12.00 News
13.00 News	12.15 Music and Cabaret
16.30 Voices from Abroad	16.30 Music
17.00 Music	18.40 Sports Bulletin
19.00 News	19.00 News
22.00 News	22.00 News
22.20 Music	22.25 Light Music
22.45 News	

Highlights of Programmes:
Music-Hall: Mondays, Wednesdays and Saturdays at c. 19.30.
Opera: Tuesdays c. 19.30
Theatre: Thursdays c. 19.30
Symphony Concert: Fridays c. 19.30

Radio Bolzano: Regional Programmes in *German:*
Weekdays:
07.20 News. 11.20-11.55 Music. 18.00 Various. 18.30 News. 18.30-18.54 Music.

Sundays:
11.05 Religious Service. 11.20 News. 11.30-11.45 Music. 19.30 News. 19.45 Music. 20.00 Cabaret. 21.00-21.45 Music.

Radio Bari I in *Arabic Daily* from 15.45-16.00.

Radio Sardegna:
From 06.45-07.30, 11.00-14.13 and 17.55-23.00.

DAILY PROGRAMMES on Shortwave:
On 25.40 m and 19.84 m from
12.15-13.00 Blue Network
13.00-13.20 Red Network
13.20-13.30 *News* in Italian

On 31.15 m and 25.40 m from
15.45-16.30 *Italian News* to Europe.
16.10-16.30 A programme devoted to radio problems common to all countries. Only Sundays alternatively in French and English, German and Swedish.
16.30-17.00 *News* to Eastern Africa.
17.00-17.20 Italian Radio Signal: Announcements in Italian and Slavonic. *Musical Programme.*
17.20-17.30 *News* in Slavonic.
17.30-17.45 Signal Announcements in Italian and French. *Musical Programme.*
17.50-18.00 *News* in French.
18.00-18.20 Signal Announcements in Italian and German. *Musical Programme.*
18.20-18.30 *News* in German.
18.30-18.50 Signal Announcements in Italian and Greek. *Musical Programme.*
18.50-19.00 *News* in Greek.
19.00-19.20 Signal Announcements in Italian and Turkish. *Musical Programme.*
19.20-19.30 *News* in Turkish.
19.30-19.50 Signal Announcements in Italian and English. *Musical Programme.*
19.50-20.00 *News* in English.
20.00-20.10 *Musical Programme.*
20.10-20.30 Signal Announcements in Italian and Arabic. *Musical Programme.*
20.30-20.45 *News* in Arabic.
20.45-22.30 Blue Network

Latin America Programme on 19.84 and 25.40 m from:
22.30-22.35 Signal Announcements and reading of the programme in Italian, Spanish and Portuguese.
22.35-22.45 *News* in Italian.
22.45-23.20 *Musical Programme.*
23.20-23.30 *News* in Spanish.
23.30-23.40 *News* in Portuguese
23.40-23.55 *Musical Programme* followed by announcements in Italian, Spanish and Portuguese.

North America Programme on 19.84 and 25.40 m from:
23.55-00.00 Signal, followed by announcements and reading of the programme in Italian and English.
00.00-00.15 *News* in Italian.
00.15-00.50 *Musical Programme.*
00.50-01.00 *News* in English.
01.00-01.10 *Musical Programme* followed by announcements in Italian and English.

41.26 m:
12.15-13.00 Red Network
41.38 m:
19.30-22.00 Red Network

Announcement: Opening: Chime, followed by: "RAI, Radio Italiana, Station of ....."

Interval-Signal: Nightingale singing.

Message to Listeners: "We are very interested in any information received from abroad about our medium and short-wave transmissions. A confirmation card and all requested information are sent to every foreign listener reporting on our transmissions. For the moment, our short-wave transmissions are kept within certain limits, owing to damage and destruction caused to our plant by the war. In our reconstruction plan, priority has been given to medium-wave stations, but, nevertheless, we hope to be able, within a short time, to improve also our short-wave transmissions."

LUXEMBURG

Standard Time — G. M. T. plus 1 hour.

Address: Radio Luxemburg, Compagnie Luxembourgeoise de Radiodiffusion, Villa Louvigny, Luxemburg.

Leading Personalities: President: Mr. Emile Reuter. Vice-president Delegate: Mr. M. Jasques Lacour-Gayet. Director-General: Mr. M. Rene Louis Peulvey. Chief Engineers: Mr. M. Mathias Felten and Mr. Ferdn. Scholtes.

Stations Radio Luxemburg.

232	kc/s	1293 m	150 kW
6090	kc/s	49.26 m	5 kW
15350	kc/s	19.54 m	5 kW
9527,5	kc/s	31.49 m	5 kW inactive.
11782,5	kc/s	25.46 m	5 kW inactive.

Daily Programmes:
On 1293 m: *Weekdays* (exc. Saturdays) from 05.45-08.00, 10.15 (Sat. 09.30)-13.30 and 14.00-23.00 (Sat. 24.00).
Sundays from 06.15-24.00.
On 19.54 m: Daily from 11.00-13.00.
On 49.26 m: Daily from 16.30-21.45 (21.30 Sund., Tuesd., Wednesd.).

Weekdays:	*Sundays:*
05.45 News, Chronicle	05.30 Relay Paris
06.15 "Bonjour le Monde"	06.15 News Chronicle
06.30 Music	06.45 "Bonjour le Monde"
06.45 News	07.15 News
09.45 Relay Paris	08.00 Religious Catholic Talk
11.00 Music	08.15 Music
11.15 News	10.00 Relay Paris
11.30 Music	11.00 Music
12.15 News	11.15 News
12.20 Progr. in Luxembourgian	11.30 Music
12.30 Music	12.15 News
14.00 English Music	13.00 English Music
16.45 "Le Passe-Temps des Dames et des Demoiselles"	13.15 The voice of the scouts (English)
17.45 Relay Paris	13.30 English Music
18.00 Luxemburg speaks to friends abroad	17.30 Orchestra
18.15 News	18.00 Luxemburg speaks to friends abroad
19.00 Sport	18.15 News
19.01 Music	19.00 English Music
20.30 News	20.00 News
ca. 21.30 or 21.45 Relay Paris	20.01 English Music
	21.30 Relay Paris
	22.45 Music

Highlights of Programmes:
Mondays: 19.01 Variety-Programme; 19.31 Film-Music 20.45 "A travers le folklore luxembourgeois"
Tuesdays: 20.31 French literature in the week; 20.40 Symphony-Concert
Wednesdays: 19.01 Music you like; 20.00 Opera-Theatre
Thursdays: 12.40 The voice of the scouts (French); 20.31 Symphony-Concert
Fridays: 15.00 Symphony Concert; 19.45 Variety-Programme; 20.46 Light Music
Saturdays: 14.00 Light Music; 15.00 Symphony- Concert

Interval-signal: Melody played on piano: A Luxemburgian popular song.

Message to Listeners: "Receptions reports from listeners will be much appreciated and answered."

MONACO

Normal Clock Time — G. M. T. plus 1 hour.

Address: Radio Monte Carlo, 16 Boulevard Princesse Charlotte, Monte Carlo.

Leading Personalities: Chairman of Board of Directors: Mr. A. Crovetto. Director General: Mr. M. Robert Schick. Chief Editor: M. Marc Mussier. Head of Administration: Mr. de la Panouse. Director of Programmes: M. Fels. Chief Engineer: Mr. Fromaget. Head of Publicity Dept.: Mr. R. H. Dogor.

Stations: Monte Carlo.
731 kc/s 410.4 m 10 kW 6130 kc 48.95 m 0,3 kW.

Daily Programmes: From 06.30-08.30, 11.00-13.00, 18.00-22.15.

06.30 Music	18.00 Music
07.00 News	18.30 News
07.15 Music	18.45 Music
11.00 Music	20.00 Symphony, Lyric or Play
12.00 News	
12.15 Music	22.00 News

Highlights of Programmes:
Mondays: 19.37 "Le Disques que vous aimez".
Tuesdays: 20.00 Radio Theatre.
Wednesdays: 19.00 "Le Cinéma chante et danse". 20.00 Operette or Opera.
Thursdays: 07.45 "Les Aventures Marveilleuses". 20.00 Symphony Concert.
Fridays: 19.00 "L'ecran Sonore" arr. by Andre Dellavalle and Jean Manceau. 19.45: "Pêle-Mêle".
Saturdays: 20.00 Symphonic Concert.
Sundays: 08.00 "Bringing Christ to the Nations". Progr. in English.

Announcement: Opening: "Ici Radio Monte Carlo, longueur d'ondes 410 metres, 731 kilocycles et 48 m 95, 6130 kilocycles. Bonjour Mesdames, Bonjour Mesdemoiselles, Bonjours Messieurs. Notre emission commence. En voici le programme .....".

Interval-signal: Before every transmision period: 06.30, 11.00 and 18.00 is played "L'Hymne Monegasque".

NORWAY

Normal Clock Time — G. M. T. plus 1 hour.

Address: Norsk Rikskringkasting, Oslo.

Leading Personalities: Acting Director General: Mr. Knut Tvedt. Directors of Programmes: Mr. Thorstein Diesen, Gunnar Neels Hansson (Drama), F. Chr. Wildhagen (Talks), Hugo Kramm (Music), Leif Jensson (Entertainment), Karl C. Lyche (News) Toralv Öksnevad (Foreign relations), E. Meidell Hopp (Regional Director, Bergen).

Stations:

Bodö	LKD	253 kc/s	1186 m	10 kW
Bergen I	LKB	260 kc/s	1154 m	20 kW
Oslo	LKO	260 kc/s	1154 m	60 kW
Tromsø	LKM	292 kc/s	1027.4 m	10 kW
Finmark	LKI	347 kc/s	865 m	1 kW
Bergen II	LLE	355 kc/s	845 m	1 kW
Hamar	LKH	519 kc/s	578 m	1 kW
Kristiansand	LKK	629 kc/s	476.9 m	20 kW
Vigra	LKA	629 kc/s	476.9 m	20 kW
Trøndelag	LKT	823 kc/s	364.5 m	20 kW
Stavanger	LKS	850 kc/s	352.9 m	100 kW
Namsos	LLB	961 kc/s	312.2 m	1 kW
Porsgrunn	LKP	1222 kc/s	245.5 m	1 kW
Frederikstad	LKF	1276 kc/s	235.1 m	10 kW
Notodden	LKN	1294 kc/s	231.8 m	1 kW
Rjukan	LKR	1357 kc/s	221.1 m	0.25 kW

Shortwave:

Oslo	LKJ	9540 kc/s	31.45 m	5 kW*)
Frederikstad	LKQ	11735 kc/s	25.56 m	8 kW*)
Frederikstad	LLG	9610 kc/s	31.22 m	8 kW*)
Tromsø	LLM	15175 kc/s	19.77 m	10 kW*)

*) Test transmissions.

Daily Programmes:
Long- and Mediumwaves: Weekdays from 06.30-07.15. 10.10-12.45, 16.00-22.00. *Sundays:* 08.00-12.30, 16.00-22.00. *Shortwaves* from 10.45-13.30 and 16.00-22.00 (23.00 Sat. and Sun.)

Weekdays:	*Sundays:*
06.30 Words for the day	08.00 News
07.00 News	08.10 Progr. Preview
07.15 Progr. Preview	08.30 Music
10.10 Oslo Bourse	09.55 Religious Service
10.15 Religious Service	11.30 Music
11.15 Music	12.00 News
12.00 News	12.30 Progr. Preview
12.25 Oslo Bourse	16.00 Music
12.35 Progr. Preview	18.05 News, Commentary
16.05 Music	21.10 News, Sport, Music
18.05 News, Commentary	21.45 Religious Talk to Seamen
21.10 News	
22.00 Progr. Preview for the next day	22.00 Progr. Preview for the next day

Bergen: Dailv Regional Programmes from 11.00-11.30 and 15.30-17.35
Highlights of Programmes:
Mondays at 20.00 *Foreign Chronicle.* Sundays, Wednesdays, Thursdays at 19.00 *Symphony Concert.*

Announcement: "Dette er Norsk Rikskringkasting". At opening and close down: Norwegian music, generally mixed choir.

Interval-Signal: A half minute before 12.00 and 18.00 hours twenty six time pips and an interval signal of ten notes.

POLAND

Normal Clock Time — G. M. T. plus 1 hour.

Address: Polskie Radio, Foreign Liaison, U1 Noakowskiego 20, Warsaw.

Leading Personalities: Director General: Mr. Wilhelm Billig. Vice-Directors: Mr. Jerzy Panski, Mr. Tadeusz Dobrowolski. Chief Engineer: Mr. Wladyslaw Rabecki. Chief Foreign Liaison: Mr. W. Pawlak.

Stations:

Warsaw I	758 kc/s	395,8 m	50 kW	National
Warsaw II	224 kc/s	1339,3 m	10 kW	National
Lodz	1339 kc/s	224,0 m	10 kW	Regional
Katowice	1231 kc/s	243,7 m	10 kW	Regional
Gliwice (Gleiwitz)	1231 kc/s	243,7 m	10 kW	Regional
Cracow	1022 kc/s	293,5 m	10 kW	Regional
Szczecin (Stettin)	1384 kc/s	216,8 m	1 kW	Local
Bydgoszcz	986 kc/s	304,3 m	1 kW	Regional
Poznan	868 kc/s	345,6 m	6 kW	Regional
Wroclaw (Breslau)	950 kc/s	315,8 m	50 kW	Regional
Gdansk (Danzig)	1303 kc/s	230,2 m	10 kW	Local
Torun	986 kc/s	304,3 m	24 kW	Regional
Warsaw III SP13	6215 kc/s	48.25 m	7,5 kW	Foreign Broadcast

Following shortwave-transmitters are under construction: 9570 kc/s — 11740 kc/s 50 kW — 15160 kc/s 10 kW

Daily Programmes:
Warsaw I and other stations: *Weekdays* from 05.00-08.30 11.03-12.15 and 14.00 (Wedn. and Sat. 13.00)-23.00 (Sat. 00.00). *Sundays:* 05.57-23.00
Regional stations broadcast own programmes: Weekdays 14.00-15.00, 17.00-18.00 and 21.45-22.00. Sundays: 10.00-11.00 and 18.20-19.00.

05.05 Exercise	19.00 News
05.15 News	19.20 Music
05.52 Progr. Preview	22.00 News
06.00 News	22.10 Progr. Preview for the next day
06.15 Music	22.20 Music
11.03 News, Press Review	23.00 (Sat. 00.00)-02.00 Press News Dictation
11.30 Music	
15.00 News	

Warsaw II:
Weekdays from 09.40-10.00 and 14.55-21.45.
Sundays: 08.00-15.55.
15.55-16.30 Serious Music
16.45-17.05 Concert. Soloists
17.00-21.00 Opera (Thursday)

Highlights of Programmes from Warsaw I
Sunday: 14.55-16.35 Popular Music
Monday: 18.15-20.30 Symphony Concert .
20.00-20.41 Chamber Music
Tuesday: 20.00-21.00 Symphony Concert
Wednesday: 19.50-20.30 Chopin Concert
Thursday: 20.00-20.45 Theatre
Friday: 18.15-20.30 Symphony Concert

Warsaw III from 16.00-23.00
16.00-18.30 Relay Warsaw I
18.30-18.50 Russian
19.00-19.15 Czech
19.15-19.30 Bulgarian
19.30-19.45 Yugoslav
20.00-20.30 For Poles Abroad
20.30-20.50 French
20.50-21.10 English
21.10-21.25 *Sun:* Yiddish. *Mon:* Spanish. *Tuesd:* Yiddish. *Wedn:* Esperanto. *Thurs:* Yiddish. *Fri:* Spanish. *Sat:* Yiddish.
21.25-23.00 Relay Warsaw I

Announcement: The Polish programmes begin every day with a religious song: "Kiedy Ranne Wstaja Zorze". *Shortwave in English:* "This is Warsaw calling on the 49.06 meterband. We begin our daily broadcast in the English language. Here is the news . . ." Between the programmes: "This broadcast comes to you from Warsaw . . ."

Interval-Signal: Warsaw I and III:

Warsaw II: First movement of A flat-major. Polonaise of Chopin.
Katowice: The sounds of hammering.

Message to Listeners: "Bearing on the matter of reports from listeners we are very interested to get not only technical matters but comments on programme content as well. Wi shall be very glad to reply to all reports."

PORTUGAL

Normal Clock Time — G. M. T.

Stations:

Lisbon I		629 kc/s	476.9 m	50 kW	National
Lisbon II		722 kc/s	415.5 m	20 kW	National
Parede	CS2ZA	1068 kc/s	281 m	20 kW	Radio Club
Lisbon	CS2ZL	1321 kc/s	227.1 m	4 kW	Renascenca
Porto	CS2XM	1348 kc/s	222.6 m	1 kW	Renas cenca
Porto		1411 kc/s	212.6 m	10 kW	National Regional
Coimbra		1429 kc/s	209.9 m	1 kW	National Regional
12 low power stations		1547 kc/s	193.6 m	0,2 kW	
Lisbon	CS2WD	6155 kc/s	48.74 m	5 kW	Renascenca
Barcarene	CSX	6374 kc/s	47.06 m	0,5 kW	National
Barcarene	CSW7	9724 kc/s	30.85 m	10 kW	National
Barcarene	CSW6	11040 kc/s	27.17 m	10 kW	National
Barcarene	CSX	12749 kc/s	23.52 m	0,5 kW	National
Parede	CS2WJ	12400 kc/s	24.20 m	0,5 kW	Radio Club

EMISORA NACIONAL

Address: Rua João das Regras y Rua de Quelhas No. 2, Lisbon.

Daily Programmes in *Portuguese* for Lisbon I from 08.30-10.00, 12.00 (Sun. 11.30)-14.00 and Lisbon I and II from 18.30-24.00.

Daily Programmes for Overseas Service:
00.00-01.35 to Portuguese in U. S. A. on 30.85 m
12.00-14.00 to Portuguese Isles on 23.52 m
17.30-20.35 to African and Brazilian Colonies on 27.17 m
18.30-24.00 to Portuguese Isles on 47.06 m
21.00-23.05 to Guinea and Brazil on 27.17 m

Announcement: Mediumwaves: "Emisora Nacional de Radiodifusao". Shortwaves: "Acordes do hino Nacional".

Interval-Signal: Xylophone.

RADIO CLUB PORTUGUES, PAREDE

Leading Personalities: Director: A. Lima Basto.

Daily Programmes in *Portuguese* from 11.45-14.00 and 19.30-23.30.
Sundays also 14.30-16.45.

Announcement: Rádio Club Portugues-Parede-Portugal.

RADIO RENASCENCA
Address: Emisora Católica Portuguesa, Rua Capelo 5, Lisbon.

Leading Personalities: Director: Mr. Manuel Lopes da Cruz. Cooperators: Father Domingos de Oliveira Costa Maia and Father Manuel Pires Moreira. Chief-Engineer: Mr. Francisco Bordalo Machado.

Daily Programmes from 19.30-24.00.

Announcement: In Portuguese: "Aqui Rádio Renascenca, Emisora Católica Portuguese". In *English:* "This is the Portuguese Roman Catholic Broadcasting System". All transmissions open with religious choir.

Interval-Signal: Gong.

ROUMANIA

Normal Clock Time — G. M. T. plus 2 hours.

Address: Societatea Romana de Radiodifuziune, Str. Gen. Berthelot 41, Bucharest.

Leading Personalities: President: Prof. C. Parhon. General Manager: Mr. Matei Socor. Chief of Technical Dept.: Prof. E. Petrascu (Dr. En.). Chief of Administration Dept.: Mr. M Vieru Chief of the Commercial Dept.: Mr. M. Vieru. Chief of Programme Dept.: Prof. Al Grauer (B. es L.).

Stations:

Radio Roumania	160 kc/s	1875 m	150 kW
Radio Bucarest I	823 kc/s	364.5 m	12 kW
Radio Bucarest II	1040 kc/s	289.0 m	5 kW
Radio Dacia Romana	6175 kc/s	48.55 m	0,075 kW
Radio Dacia Romana	9250 kc/s	32.43 m	4 kW
Radio Dacia Romana	11900 kc/s	25.21m	0,075 kW

Two shortwave stations 50 kW are projected.

Daily Programmes: Radio Roumania (National) and Radio Bucarest I (Regional): From 04.30106.35, 11.00-13.05 and 16.00-22.00.

04.30 News
04.52 News in Russian
05.00 News in Hungarian (only 1875 m)
06.30 News in Bulgarian
12.00 News
12.17 Press Review
17.00 Progr. in Hungarian (only 1875 m) exc. Wedn.
18.00 News
20.17 News in Russian
20.34 Music
21.30 News
21.35 Dance Music
21.50 Roumanian Folklore Music

Highlights of Programmes:
Tuesdays: 11.30-11.55 Neighbouring Countries Hour. 19.00 Teatre.
Wednesdays: 18.15-18.40 Neighbouring Countries Hour. 19.30 Transylvania Hour.
Thursdays: 16.00-16.30 U. S. S. R. Hour. 18.00 Symphony Concert from Roumanian Athenee Hall

Fridays:	17.20 Opera
Saturdays:	18.15-18.45 ARLUS Hour (Soviet-Roumanian Friendship Association)
	19.00-19.15 Commentary on Home Problems
Sundays:	09.00-11.00 Symphony Concert from Roumanian Athenee Hall
	15.30-16.00 U. S. S. R. Hour
	19.00-19.35 Commentary

Radio Bucarest II (Experimental station): The programme is not yet fixed.

Radio Dacia Romana: International Service.
Daily from 17.30-18.30.

17.30 News in Russian	18.00 News in French
17.45 News in German	18.15 News in English

During the intervals folklore music is being broadcast.

Announcement: In English: "Here are the station Radio Roumania on wavelength 1875 metre and Radio Bucarest on 364.5 metre. Ladies and Gentlemen, good morning (good day, good evening)".

Radio Dacia Romana: In English: "This is the Romanian Short-wave station Dacia Romana broadcasting on 25 and 32.4 metres".

Interval-Signal: Radio Roumania and Bucarest I: The first 7 notes of "Imnul Romaniei Libere" (Free Roumania) do-fa-sol-la-si-la-sol. Radio Dacia Romana: Musical notes: re-sol-la-si-do-re-sol.

Message to Listeners: "We would greatly appreciate if listeners to the station "Dacia Romana" would let us know if the reception conditions are good and if the programmes are interesting."

SPAIN

Normal Clock Time — G. M. T. plus 1 hour.

Stations:

Emisoras de Madrid:					
Radio Zaragoza	EAJ 101	850 kc/s	352.9 m	30	kW
Radio Madrid	EAJ 7	686 kc/s	437.3 m	15	kW
Radio Espana	EAJ 2	758 kc/s	395.8 m	3.5	kW
Radio Seville	EAJ 5	731 kc/s	410.0 m	5	kW
Radio Valencia	EAJ 3	1258 kc/s	238.5 m	2	kW
Radio Bilbao	EAJ 28	1131 kc/s	265.3 m	2.5	kW
Radio S. E. U.	EDV 10	7110 kc/s	42.19 m	1	kW
Radio Mediterrane de Valencia		7035 kc/s	42.64 m	0.1	kW
Emisoras de la Red:					
Madrid Arganda		1022 kc/s	293.5 m	120	kW
Madrid Local		1022 kc/s	293.5 m	1.5	kW
Radio Coruna		968 kc/s	309.9 m	20	kW
Vallaloid	EAJ 47	1300 kc/s	230.0 m	0,2	kW
Madrid Arganda		9366 kc/s	32.02 m	40	kW
Radio Cuenca	EAJ 7	7100 kc/s	42.25 m	0.2	kW
Radio Malaga	EAJ9	7012 kc/s	42.79 m	0,2	kW
Vallaloid	FET 1	7006 kc/s	42.83 m	0.2	kW
Emisoras de Provincia:					
Radio Barcelona	EAJ 1	795 kc/s	377.4 m	9	kW
Asturias	EAJ 19	1260 kc/s	238 m	0,2	kW
Radio Espana de Barcelona	EAJ 15	1123 kc/s	267.1 m	1	kW
Palma de Malorca	EAJ 13	1435 kc/s	209 m	0.1	kW
Barcelona-Miramar	EAJ 39	1294 kc/s	222 m	0,2	kW
Asturias	FET 22	1428.5 kc/s	210 m	0.3	kW
Castille	EAJ 27	1447 kc/s	207.3 m	9	kW
Radio Galicia/ Santiago	EAJ 4/ EAJ 38	1447 kc/s	207.3 m	0.15	kW
Cordoba	EAJ 24	1449 kc/s	207.0 m	0.2	kW
San Sebastian	EAJ 8	1068 kc/s	280.9 m	1.5	kW
Granada	EAJ 16	1447 kc/s	207.3 m	0.5	kW
R. Falange de Alicante		7940 kc/s	37.78 m	1.2	kW
Emisoras de la Falange de Oviedo	FET 22	7131 kc/s	42.07 m	0.25	kW
Radio Cordoba	FET 15	7042 kc/s	42.60 m	0.2	kW
20 synchronized stations		1492 kc/s	201.1 m	0.2	kW
20 synchronized stations		1500 kc/s	200 m	0.2	kW

RADIO NACIONAL DE ESPANA

Address: Radio Nacional de Espana, Avenida del Generalisimo num. 40, Madrid.

Leading Personalities: Director of Programmes and Broadcasts: Sr. E. Thomas de Carranza.

Stations:

Madrid Arganda	1022 kc/s	293.5 m	120 kW
Madrid Local	1022 kc/s	293.5 m	1.5 kW
Madrid Arganda	9368 kc/s	32.02 m	40 kW

Daily Programmes: Madrid Local: Weekdays: 07.00-09.00 and 12.00-21.30. Sundays: 07.00-10 30
News: 07.09, 07.50, 08.15, 13.15, 13.30, 16.00
Religious Service: 08.30 (Sun.)
The transmission from 13.15-13.30 is transmitted by all Madrid stations and from 13.30-13.45 by all national stations.

Madrid Arganda: 293.5 m from 20.30-23.30
20.30 Actualities — 20.45 News — 23.00 News

Daily Programmes on Shortwave: 32.02 m 18.00-21.00, 21.30-03.00

European Service

Weekdays:	*Sundays:*
18 30 French	18.30 Russian
19.00 German	18.55 Music
19.10 Italian	19.40 Portuguese
19.20 Portuguese	19.46 English
19.35 Russian	19.52 Arabic
19.50 Russian	19.58 Atlantic Broadcast in Spanish
20.00 English	20.04 French
20 30 Arabic	20.10 German
20.45 Atlantic Broadcast in Spanish	20.16 Italian
	20.22 Music

Overseas Service:
00.10-03.00 Broadcast to America.
00.10 Commentary and News — 01.15 Commentary — 02.00 Talk, News and Music.

Special Broadcast:
In Shortwave broadcast in English we wish to call your attention to our Wednesday chats on sports, in which the great expert on sport "Rienzi" gives a summary of the principal sporting events in Spain. Every Thursday Mr. Stuttar correspondent of "Kemsley Newspapers" in Spain, broadcasts an interesting description of various aspects of life in Spain. Every Wednesday, you may listen to our "Little Talks" in which Senora Rubio and Mr. Goodman exchange impressions on topics of interest for England and Spain. A news bulletin is broad-

cast daily, as well as interesting articles and Spanish music. On Sundays, there is a short news summary from 19.46 to 19.52, and a symphonic concert of Spanish music.

Announcements for Shortwave: In *French:* "Ici Radio National d'Espagne emettant son programme special pour les pays de langue francaise sur ondes courtes de 32 m 02 correspondant a 9369 kilocycles. Nous emettans de 19.30 a 20.00 heures espagnol. Au cours de notre emission d'aujourd'hui, vous entendrez d'abord: Les nouvelles d'Espagne, le resume des editoriaux de presse et les nouvelles de l'etranger.

RADIO SEU

Address: Radio S. E. U., Emisoras Nacional del Fuente de Juventudes, Diego de Leon 43, Madrid.

Leading Personalities: Director: D. Anibal Arias Ruiz. Chief Engineer: D. Francisco Diaz Guerra. Programme Director: D. German Bonet Marco. Chief of transmissions: D. Daniel Baylos Corroza.

Daily Programmes from 12.30-16.00, 18.00-19.30 and 20.30-23.30.

Announcement: Opens with a march song and: "Transmite Radio S. E. U. — La Voz de la Juventud de Espana a traves de los microfonos de su Emisora de onda corta."

Interval-Signal: Gong.

Message to Listeners: "We ask all shortwave listeners to sent us reports about our transmissions, which will be answered. Notice our transmissions at 22.00 on Thursdays and Fridays. We salute all listening friends from Young Spain."

RADIO ZARAGOZZA

Address: Radio Zaragozza, Compania Aragonesa de Radiodiffusion, Zaragozza.

Leading personalities: President: Dr. Jesus Muro Sevilla. Chief Engineer: D. Julio Bayona. Manager: Mr. Angel Bayod Usón. Director of Programmes: Mr. José Perlado Cadavieco.

Daily Programmes from 12.00-14.30, 18.00-23.00.

Announcement: "Aqui Radio Zaragoza EAJ 101" Close down with: "Nos despedimos de ustedes hasta manana a las trece Buenas noches."
In English: Here is Radio Zaragoza EAJ 101. "We say good-bye to you till tomorrow at 13 o'clock, good night."

Message to Listeners: "We maintain correspondence with every listener who sent us reports of our transmissions. They are gratefully received and verified."

RADIO FALANGE DE ALICANTE

Address: Radio Falange de Alicante, Falange Espanola Tradicionalista, Alicante.

Daily Programmes from 12.00-14.30 and 19.00-23.00
News from Radio Nacional de Espana: 13.30 and 20.45

Announcement: "Radio Falange de Alicante Espana." The station opens and closes down with the military march: "The Volunteers".

Message to Listeners: "We ask all shortwave listeners to send us reports, which will always be verified, and draw the listeners' attention to the daily news in Spanish from Radio Nacional de Espana."

RADIO BARCELONA EAJ1

Address: Caspe 12, Barcelona.

Daily Programmes in *Spanish* from 07.00-08.00, 11.00-15.00 and 17.00-23.00.

RADIO MADRID EAJ7

Address: Avda José Antonio 32, Madrid.

Daily Programmes in *Spanish* from 07.00-08.00, 12.00-16.00 and 18.00-23.00.

RADIO MEDITERRANEAN

Address: Avda Marques de Sotelo 2, Valencia.

Daily Programmes in *Spanish* from 11.00-15.00 and 17.00-23.00.

SWEDEN

Normal Clock Time — G. M. T. plus 1 hour.

Address: A/B Radiotjänst, Stockholm.

Leading Personalities: Director General: Mr. Yngve Hugo. Director of Music: Mr. N. Broman. Director of Talks: Mr. E. Linder. Director of Drama: Mr. Hj. Gullberg. Director of News and Special Events: Mr. O. Forsén. Director of Administration: Mr. E. Mattsson. Technical-Director: J. von Utfall. Director of Central Programmes Dept.: Mr. H. Hahr. Director of Publications Dept.: Mr. M. Ginsburg.

Stations:

Long — and Medium-Wave.

Motala	SBG	216 kc/s	1388.9 m	150 kW	
Luleå	SBS	392 kc/s	765.3 m	10 kW	
Östersund	SBF	415.5 kc/s	722.0 m	10 kW	
Sundsvall	SBD	601 kc/s	499.2 m	10 kW	
Malmberget	SCN	704 kc/s	426.1 m	0,2 kW	Private
Stockholm	SBX	704 kc/s	426.1 m	55 kW	
Göteborg	SBB	941 kc/s	318.8 m	10 kW	
Falun	SBV	1086 kc/s	276.2 m	100 kW	
Hörby	SBH	1131 kc/s	265.3 m	100 kW	
Karlstad	SBK	1312 kc/s	228.7 m	0,25 kW	
Malmö	SBC	1312 kc/s	228.7 m	2,5 kW	
Norrköping	SBI	1312 kc/s	228.7 m	0,25 kW	
Trollhättan	SBJ	1312 kc/s	228.7 m	0,25 kW	
Kiruna	SCL	1348 kc/s	222.6 m	0,2 kW	Private
Säffle	SCP	1348 kc/s	222.6 m	0.4 kW	Private
Varberg	SCU	1348 kc/s	222.6 m	0,2 kW	Private
Örebro	SCV	1348 kc/s	222.6 m	0,2 kW	Private
Hudiksvall	SBM	1402 kc/s	214.0 m	1,0 kW	
Eskilstuna	SCB	1402 kc/s	214.0 m	0,5 kW	Private
Hälsingborg	SBQ	1402 kc/s	214.0 m	0,5 kW	
Porjus	SBE	1402 kc/s	214.0 m	0,075 kW	
Umeå	SBL	1402 kc/s	214.0 m	1,0 kW	
Visby	SBW	1402 kc/s	214.0 m	0,5 kW	
Örnsköldsvik	SBN	1402 kc/s	214.0 m	0,5 kW	
Uddevalla	SCR	1411 kc/s	212.6 m	0,05 kW	Private
Borås	SCA	1447 kc/s	207.3 m	0,5 kW	
Kalmar	SCI	1447 kc/s	207.3 m	0,2 kW	Private
Halmstad	SCE	1492 kc/s	201.1 m	0,2 kW	Private
Uppsala	SCT	1492 kc/s	201.1 m	0,2 kW	Private
Gävle	SCD	1500 kc/s	200.0 m	0,2 kW	Private
Kristinehamn	SCM	1500 kc/s	200.0 m	0,2 kW	Private
Jönköping	SCH	1515 kc/s	198.0 m	0,2 kW	Private
Karlskrona	SBR	1530 kc/s	196.1 m	0,5 kW	

Shortwave.

Motala I	SBO	6065 kc/s	49.46 m	12 kW
Motala I	SBP	11705 kc/s	25.63 m	12 kW

Motala I	SDB2	10780 kc/s	27.83 m	12 kW
Motala II	SBU	9535 kc/s	31.46 m	12 kW
Motala II	SBT	15150 kc/s	19.80 m	12 kW

Daily Programmes for National Stations:

Weekdays (Monday-Friday) from 06.10-07.15, 11.00-13.30, 16.00-ca. 22.15

Saturdays from 06.10-07.30, 1100-12.00, 13.00-c. 22.15.

Sundays from 06.30-ca. 22.15.

Weekdays:

06.10	Exercise.
06.45	Morning Service.
07.00	News and Weather.
11.00	The Bells of the Town-Hall of Stockholm. Poem of the Day, Music.
11.30	News and Weather. Exchange Prices.
12.00-13.30	Programmes (exc.. Saturday).
15.30	Weather.
c. 16.45-17.55	Records
18.00-18.30	News and Weather. Topics of the Day.
18.30-21.15	Programmes.
21.15-21.30	News and Weather. Topics of the Day.
21.30	Music

Sundays:

06.30	Records.
07.00	News and Weather.
09.00	Records
10.00	Divine Service.
11.40	News and Weather.
15.00	Weather.
17.00	Evening Service.
18.00-18.30	News and Weather. Topics of the Day.
21.15-21.30	News and Weather.

European and Overseas Service on Shortwave.

Sundays:

01.00-02.00	For Swedes abroad	on 27.83 m and 31.46 m
(00.00-01.00 from 1/1 1948)		
07.00-15.00	The National Progr.	on 19.80 m and 25.63 m
15.00-16.00	Progr. for U. S. A.	on 19.80 m and 27.83 m
16.05-22.00	The National Progr.	on 19.80 m and 27.83 m

Weekdays:

01.00-02.00	Programme for Swedes abroad	on 27.83 m and 31.46 m
(00.00-01.00 from 1/1 1948)		
06.45-07.15	(Sat. 07.30) The Nat. Progr.	on 19.80 m and 49.46 m
11.00-13.30	(Sat. 11.00-12.00 and 13.00-14.55) The Nat. Progr.	on 19.80 m and 25.63 m
15.00-16.00	Progr for U. S. A.	on 19.80 m and 27.83 m
(14.00-15.00 from 1/1 1948)		
16.05-17.30	The National Progr.	on 19.80 m and 27.83 m
17.30-17.55	Commentaries in German, English and French	on 19.80 m and 27.83 m
18.00-c. 22.15	The Nat.Progr.	on 19.80 m and 27.83 m

Announcement: "Sveriges Radio ....." and the name of the transmitting station For instance: "Sveriges Radio, Stockholm".

Interval-signal: An old melody from Dalarne, Every Weekday at 11.00: The bells of the Town Hall of Stockholm.

SWITZERLAND

Normal Clock Time — G. M. T. plus 1 hour.

Addresses:
Neuengasse 30, Berne, Schweizerische Rundspruchgesellschaft, Société suisse de Radiodiffusion, Swiss Broadcasting Corporation.
Neuengasse 28, Berne, Schweizerischer Kurzwellendienst, Service suisse des Ondes courtes, Swiss Shortwave Service.
Radio-Zurich, Brunnenhofstrasse 20, Zurich.
Radio-Berne, Schwarztorstrasse 23, Berne.
Radio-Basel, Novarastrasse 2, Basel.
Radio-Lausanne, Maison de la Radio, Lausanne.
Radio-Genève, 66 Boulevard Carl Vogt, Genève.
Radio-Lugano, Campo Marzio, Lugano.

Leading Personalities:
General Manager of the S. B. C.: Mr. A. W. Glogg — General Secretary: Mr. Rudolf von Reding — Chief of the Head Administration Section: Mr. Georges Conus — Chief of the Swiss Shortwave Service: Mr. Paul Borsinger —

Managers of the Regional Sections:
Radio-Zurich: Mr. Jakob Job
Radio-Berne: Mr. Kurt Schenker
Radio Basel: Mr. Emil Notz
Radio-Lausanne: Mr. Marcel Bezençon
Radio-Genève: Mr. René Dovaz
Radio-Lugano: Mr. Stelio Molo

Stations: (Mediumwaves)

Beromunster	556 kc/s	539.6 m	100 kW
Basel Reg.	1375 kc/s	218.2 m	0,5 kW
Sottens	677 kc/s	443.1 m	100 kW
Monte Ceneri	1167 kc/s	257.1 m	15 kW

Schwarzenbourg (Shortwaves)

HER 3	6165 kc/s	48.66 m	100 kW
HER 4	9535 kc/s	31.46 m	100 kW
HER 5	11865 kc/s	25.28 m	100 kW
HER 6	15305 kc/s	19.60 m	25 kW
HER 7	17784 kc/s	16.87 m	25 kW
HEI 3	7210 kc/s	41.61 m	25 kW
HEI 5	11715 kc/s	25.61 m	25 kW
HED 6	9655 kc/s	31.07 m	25 kW
HEU 3	7380 kc/s	40.65 m	25 kW

HOME PROGRAMMES

Daily Programmes from BEROMUNSTER in German on Mediumwaves.

Weekdays: 05.40-06.10, 11.15-12.45, 16.00-21.30
Sundays: 05.55-06.20, 20.00-21.30

05.40 Exercise — 06.00 News — 06.05 Programme Preview (Sun.: 08.00 Protoestant Service, 08.45 Catholic Service), 11.15 Music — 11.30 News, Music — 18.30 News — 18.40 "Echo der Zeit" (Exc. Fri. Sat. Sun.) 21.00 News.

Highlights of Programmes:
Tuesday Evening: Symphony Orchestra
Wednesday Evening: Radio-Play
Thursday Evening: Varieties

Daily Programmes from SOTTENS in French on Mediumwaves.

Weekdays: 06.10-06.30, 11.15-12.45, 16.30-21.35

Sundays: 06.10-06.30, 07.45-21.35
06.10 Music — 06.15 News — 06.20 Music
11.15 Music — 11.45 News, Music — 18.10 Progr. Preview (Sun.: 07.45 Catholic Service, 09.00 Protestant Service) — 18.15 News — 21.30 News.

Highlights of Programmes:
Tuesday Evening: Radio Play
Wednesday Evening: Symphony Orchestra

Daily Programmes from MONTE CENERI in Italian on Mediumwaves.

Weekdays: 06.00-06.35, 11.15-12.45, 16.30-21.30
Sundays: 05.55-06.30, 09.00-21.30
06.15 News, Music — 09.40 Catholic Service (Sun.) — 11.15 Music —11.30 News — 18.00 Music — 18.25 Progr. Preview — 18.30 News — 18.40 Music — 21.00 News, Music.

EUROPEAN AND OVERSEAS SERVICE SCHWARZENBOURG
European Service:

Weekdays: 05.40-06.40, 11.15-12.15 and 17.00-22.00 on HER3 and HER4
Sundays: 05.55-06.40 and 07.45-22.00 on HER3 and HER4

05.40 Exercise (Weekd.)
06.00 News (German)
06.15 Informations (French)
06.20 Music (French)
07.45 Holy Mass (Sunday)
10.00 Music (Sunday)
11.15 Home News (German)
11.30 News (German)
11.45 Informations (French)
12.15 Relay of National Progr. (Sunday)
17.00 Ora ticinesé (Italian)
17.50 Political Commentary (French)
18.00 Local News (French)
18.15 Informations (French)
18.30 News (German)
18.40 Relay of National Progr.
21.30 News (French)
21.40 Home News. Commentary (German)
21.55 News (German)

East Europe — Near East:
20.00-20.30 on HEU3: Home News — Talks in French and German.

Africa (only Saturdays)
14.30-15.10 on HER6: Schwyzertütsche Heimetobig
14.30-15.10 on HER5: Schwyzertütsche Heimetobig
15.10-15.50 on HER6: Serata Ticinese
15.50-16.30 on HER5: Soirée romande
15.50-16.30 on HER6: Soirée romande

Switzerland calling North America:
22.30-23.15 on HER4
01.30-03.30 on HER4, HER3 and HED6

22.30 Home News
22.35 News Commentary
22.45 Towards a better World
22.50 Views on the News
23.00 The Swiss Curiosity Shop
01.30 Musical Salute
01.35 News Commentary
01.40 Home News
01.45 G. I. Corner
01.50 Music from Switzerland
01.55 Towards a better World
02.05 Music or Variety
03.00 Views on the News
03.05 The Swiss Curiosity Shop
03.20 Home News
03.30 Programme Preview

Switzerland calling England:
19.15-19.45 on HER5:
19.15 News Commentary
19.20 Home News
19.25 Towards a better World
19.30 Views on the News
19.35 Music from Switzerland

Switzerland calling Australia and New Zealand:
07.15-08.45 on HER5 and HEI5 only Monday, Tuesday, Thursday and Saturday:

07.15 Home News
07.20 Commentary
07.25 The Swiss Curiosity Shop
07.40 Towards a better World
07.45 Mondays: Soirée romande. — Tuesdays: Music by Swiss Composers and Variety. — Thursdays: The symphonic Hour. — Saturdays: For Swiss listeners

Switzerland calling the Orient:
15.00-16.30 on HER5 and HEI5 only Mondays, Tuesdays, Thursdays, Fridays:
15.00 Home News, Commentary
15.10 Swiss Curiosity Shop
15.25 Towards a better World
15.30 As for Australia

Switzerland calling South Africa:
20.45-21.30 on HER5:
20.45 Home News, Commentary
21.00 The Swiss Curiosity Shop
21.15 Causeries en français et nouvelles du pays

Programa para America Latina:
21.45-22.15 on HER5
23.30-01.00 on HER4, HEI3 and HED6

21.45 Commentario internacional
21.50 Noticias de Suiza
21.55 Charla
22.00 Musica del pais
23.30 Saludo musical
23.35 Commentario
23.40 Noticias de Suiza. Revista de prensa.
23.45 Sundays: Concierto dominical. — Mondays: Soirée romande. — Tuesdays: Musica. — Wednesdays: Serata Ticinese. — Thursdays: Concierto sinfónico. — Fridays: Pana los Suizos. — Saturdays: Bailables en Suiza.
00.45 Programma em lingua brasileira: Commentario, Noticias, musica popular suiça.

Announcements:
Beromunster: "Schweizerischer Landessender Beromünster, Studio . . . Basel, Bern oder Zürich."

Sottens: "Emetteur national de Sottens, Studio de Lausanne ou de Genève."

Monte Ceneri: "Stazione nazionale del Monte Ceneri, Studio di Lugano."

Schwarzenburg: "Schweizerischer Kurzwellensender Schwarzenbourg." "Ici, la Suisse. Emetteur national d'ondes courtes de Schwarzenbourg." "Qui è la Svizzera, trasmettitore nazionale ad onde corte di Schwarzenbourg." "Switzerland calling! The Swiss Broadcasting Corporation."

News-announcements:
Beromunster: "Sie hören die Nachrichten der Schweizerischen Depeschenagentur in Bern."
Sotten: "L'agence télégraphique siusse à Berne vous donne les dernières nouvelles."
Monte Ceneri: "Seguono da Berna le ultime Notizie."

Interval-Signal:
Beromunster: Radio Basel: "Z'Basel a mym Rhy"

Radio Bern: D'Zyt isch do

Radio Zurich: "Chum Bueb und lueg dis Ländli a"

Sottens: Radio Lausanne: "Voici la mi-été"

Radio Genève: "Quelle fatale journée"
chanson de l'Escalade

Monte Ceneri: "Campane delle Chiesa di Pazzalino"

Schwarzenbourg: "Lueget vo Berg und Thal"

Message to Listeners:
Radio Listeners are accustomed to think "on a large scale". Thus perhaps they will consider Switzerland a very small country. Nevertheless, Switzerland to-day feels she might have something of vital significance to contribute to the efforts of the world. She can declare that it is possible to unite people of different cultures, who repeatedly fought against each other, and to unite them so closely that they will all feel at home in their common country, whose destinies they guide in unison. The SWISS BROADCASTING CORPORATION would like to reveal to the outer world this mutual comprehension of human beings of different tongues and cultures. This will be its best possible contribution among the numerous voices of world Radio.

U. S. S. R.

Normal Clock Time — G. M. T. plus 3 hours.

Address: Radio Centre, Moscow
Stations: *Long- and Mediumwave:*

Transmissions for			
North West Area (Kowno)	153 kc/s	1961 m	120 kW
Moscow	174 kc/s	1724 m	200 kW
Tschita	195 kc/s	1546 m	100 kW
Transmissions for			
South West Area (Odessa)	200 kc/s	1500 m	100 kW
Leningrad	208 kc/s	1442 m	100 kW
Baku	218 kc/s	1379 m	50 kW
Moscow	232 kc/s	1293 m	100 kW
Kiew	248 kc/s	1210 m	100 kW
Minsk	269 kc/s	1115 m	100 kW
Erivan	366 kc/s	824 m	50 kW
Sverdlovsk	370 kc/s	810.8 m	50 kW
Petropavlovsk	385 kc/s	779.2 m	50 kW
Charkow	385 kc/s	779.2 m	50 kW
Omsk	395 kc/s	759.5 m	50 kW
Ufa	405 kc/s	741 m	50 kW
Gorki	530 kc/s	566 m	50 kW
Wilnuk	536 kc/s	559.7 m	50 kW
Rostow	556 kc/s	539.6 m	50 kW
Riga	583 kc/s	514.6 m	50 kW
Stalingrad	648 kc/s	463 m	50 kW
Stavropol	722 kc/s	415.5 m	50 kW
Tallinn	731 kc/s	410.4 m	50 kW
Kuybischew	767 kc/s	391.1 m	50 kW
Stalino	776 kc/s	386.6 m	10 kW
Moscow	832 kc/s	360.6 m	100 kW
Dnjepropetrovsk	913 kc/s	328.6 m	10 kW
Odessa	968 kc/s	309.9 m	10 kW
Leningrad	1040 kc/s	288.6 m	10 kW
Relay for Moscow:			
Berlin	191 kc/s	1571 m	100 kW

Shortwave-Stations:

6020 kc/s	49.83 m	9740 kc/s	30.80 m	11960 kc/s	25.08 m
7160 kc/s	41.87 m	9760 kc/s	30.73 m	12020 kc/s	24.96 m
7190 kc/s	41.72 m	9780 kc/s	30.67 m	12270 kc/s	24.45 m
7200 kc/s	41.67 m	9790 kc/s	30.64 m	12370 kc/s	24.25 m
7270 kc/s	41.26 m	9800 kc/s	30.61 m	15040 kc/s	19.95 m
7290 kc/s	41.15 m	9880 kc/s	30.36 m	15086 kc/s	19.88 m
7300 kc/s	41.10 m	9915 kc/s	30.26 m	15130 kc/s	19.83 m
7310 kc/s	41.04 m	11630 kc/s	25.79 m	15170 kc/s	19.78 m
7320 kc/s	40.98 m	11710 kc/s	25.62 m	15230 kc/s	19.70 m
7330 kc/s	40.93 m	11720 kc/s	25.60 m	15270 kc/s	19.65 m
7340 kc/s	40.87 m	11740 kc/s	25.55 m	15300 kc/s	19.61 m
7360 kc/s	40.76 m	11750 kc/s	25.53 m	15310 kc/s	19.60 m
7390 kc/s	40.60 m	11760 kc/s	25.51 m	15320 kc/s	19.58 m
9436 kc/s	31.80 m	11780 kc/s	25.47 m	15340 kc/s	19.56 m
9500 kc/s	31.58 m	11830 kc/s	25.36 m	15360 kc/s	19.53 m
9540 kc/s	31.45 m	11875 kc/s	25.26 m	15407 kc/s	19.47 m
9565 kc/s	31.36 m	11880 kc/s	25.25 m	15440 kc/s	19.43 m
9595 kc/s	31.27 m	11890 kc/s	25.23 m	15550 kc/s	19.29 m
9600 kc/s	31.25 m	11900 kc/s	25.21 m	17740 kc/s	16.91 m
9610 kc/s	31.22 m	11950 kc/s	25.10 m	17768 kc/s	16.88 m
9650 kc/s	31.09 m			17860 kc/s	16.80 m

HOME PROGRAMME

Daily Programmes in Russian from Moscow I.
On 1961, 1724, 1500, 420.8, 25.62, 25.55, 19.70, 19.65 and 19.56 m from 08.00-04.00 (Sat. and Sun. to 05.00).

Weekdays:

08.00 The Bells of Kremlin	09.00 News
08.05 News	09.10 Music
08.25 Music	09.20 For the Pioneers

09.30 Music
09.40 The Weekly Calendar
10.00 News
10.15 Concert
10.45 News, Progr. Preview
11.00 Concert
11.30 Talk
11.45 Music
12.30 Music
13.45 Music
14.00 Press Review
14.15 Concert
15.00 Press Review
15.55 Talk or Concert
16.00 For the Gardener and News
16.15 Concert
17.45 Programme Preview for the next day
18.00 News
18.15 Music
19.45 Music
20.00 For the Youth
20.15 Concert
21.00 News, Progr. Preview
21.15 Talk
21.30 Concert
22.40 Political Talk
23.00 Concert
23.45 Literature
24.00 Concert
01.30 News
02.00 The Bells of Kremlin
02.02 Music

Sundays:
08.00-12.00 As Weekdays
12.45 Music
13.00 Talk
13.15 Concert
14.00 From the Newspapers
14.15 Concert
15.15 News
15.30 Talk or Music
16.15 Literature
17.00 Concert
18.00 News
18.15 News from Theatre
19.15 Music
20.00-04.00 As Weekdays

Daily Programmes in Russian from Centre Moscow II.
On 1293, 360, 315.8, 40.60 and 30.61 m.

Weekdays:
08.55 Programme from Moscow I
17.00 Music
17.15 Concert
20.00 News for the Troops
20.00 Concert on Thursd.
20.45 News for the Farmers
21.00 Concert
21.30 Talk
21.45 Concert
21.45-23.00 Theatre-Transmission on Tuesdays and Thursdays
23.00 Literature
23.15 Concert
00.00 News
00.02 Concert
02.00 The Bells of Kremlin, Music
02.30-03.00 News

Sundays:
08.55 As Weekdays
14.00 Concert
14.30 Children's Hour
15.00 Concert
16.00 News
16.15 Concert
17.30 Theatre
18.15 Concert
19.15 News, Talk
19.30 Concert
20.00 News, Talk
20.30 Concert
21.45-03.00 As Weekdays

EUROPEAN SERVICE
Daily Programmes in order of languages:
Austrian:
17.00-17.30 in 31-25-19 m. b.
20.00-20.30 in 31-25-19 m. b. and 1115 m.
21.30-22.30 in 49-41-31-25 m. b. and 1115 m.

Czech:
16.30-17.00 in 31-25-19 m. b.
18.30-19.00 in 31-25-19 m. b.
21.00-21.30 in 31-25-19 m. b. and on 1115 m.

Danish:
15.00-15.30 in 25-19 m. b.
18.00-18.15 in 49-31-25-19 m. b.

Dutch:
15.30-16.00 in 25-19 m. b.
18.15-18.30 in 49-31-25-19 m. b.

English:
12.30-13.00 in 25-19 m. b.
16.30-17.00 in 31-25-19 m. b.
18.30-19.00 in 49-31-25-19 m. b.
20.00-20.30 in 49-31-25-19 m. b.

Finnish:
14.15-14.45 in 31-25-19 m. b.
19.00-19.30 on 41.10 and 514.6 m
20.30-21.00 on 41.10 and 514.6 m.

French:
12.00-12.30 in 25-19 m. b.
17.00-17.30 in 31-25-19 m. b.
19.00-19.30 in 31-25-19-16 m. b.
21.00-21.30 in 31-25-19-16 m. b.

German:
11.30-12.00 in 25-19 m. b. and on 1571 m.
14.30-15.00 in 25-19 m. b. and on 1571 m.
16.00-16.30 in 31-25-19 m. b. and on 1571 m.
17.30-18.00 in 31-25-19 m. b. and on 1571 m.
19.30-20.00 in 49-31-25-19 m. b. and on 1571 m.

Greek:
16.30-16.45 in 25-19-16 m. b.
18.30-19.00 in 25-19-16 m. b.
20.00-20.15 in 31-25-19 m. b.

Hungarian:
16.00-16.30 in 31-25-19 m. b.
18.00-18.30 in 31-25-19 m. b. and on 1115 m.

Italian:
15.25-16.00 in 19 m. b. (Thursdays only)
18.30 19.00 in 31-25-19 m. b.
20.30-21.00 in 31-25-19 m. b.

Norwegian:
19.30-20.00 on 41.10 m and 514.6 m

Polish:
15.30-16.00 in 31-25-19 m. b.
17.30-18.00 in 31-25-19 m. b.
19.00-19.30 in 31-25-19 m. b. and on 1115 m
20.30-21.00 in 31-25-19 m. b. and on 1115 m

Portuguese:
22.00-22.30 in 31-25 m. b.

Spanish:
19.30-20.00 in 25-19 m. b.
21.30-22.00 in 31-25-19 m. b.
22.30-23.00 in 31-25 m. b.

Swedish:
20.00-20.30 on 41.10 m and 514.6 m
21.00-21.15 on 41.10 m and 514.6 m

VATICAN STATE

Normal Clock Time — G. M. T. plus 1 hour.
Address: Radiodiffusiono dalla citta' del Vaticano, Vatican City, Italy.
Leading Personalities: Director of Vatican Radio Station: Father Filippo Soccorsi S. J., Director of Programmes: Father Salvatore Gallo.

Stations: Radio Vaticano, HVI.

767 kc/s	391 m	1 kW
1131 kc/s	265.3 m	1 kW

1348 kc/s	222.55 m	1 kW
5970 kc/s	50.26 m	12 kW
6005 kc/s	49.96 m	50 kW
6030 kc/s	49.75 m	50 kW
6190 kc/s	48.47 m	50 kW
7280 kc/s	41.21 m	50 kW
7250 kc/s	41.38 m	50 kW
9660 kc/s	31.06 m	50 kW
9550 kc/s	31.41 m	50 kW
11740 kc/s	25.55 m	50 kW
15095 kc/s	19.87 m	12 kW
15120 kc/s	19.84 m	50 kW
17450 kc/s	17.19 m	50 kW
17840 kc/s	16.82 m	50 kW

DAILY PROGRAMMES.
In Italian:
Daily News at 13.00 on 222 m, 50.26 m and 48.47 m.
Daily Talks at 19.30 on 222 m, 50.26 m and 48.47 m.

Special Programmes on Sundays:
10.30 Broadcast Mass with Song on 31.06 and 50.26 m.
11.15 Commentary on 50.26 and 48.47 m.
11.30 "Campo Di Dio" —— Synthesis devoted to the different catholic activities on 50.26 and 48.47 m.

Every Sunday at 10.15: Commentary to the scripture in different languages.

In English:
Daily News at 15.00 on 31.06 and 19.87 m.

Every Sunday 10.15 Commentary to the scripture in different languages.

Daily Talks at 18.15 on 31.06 and 50.26 m.

Every Tuesday on 17.19 m.
15.30 News Summary.

Every Sunday on 31.06 and 50.26 m.
10.30 Broadcast Mass celebrated for the intentions of the Holy Father. Music during the Mass.

Address Communications to Announcer in English, Vatican Radio, Vatican City.

In French:
Daily News at 13.30 on 31.06 and 19.87 m.
Daily Talks at 19.00 on 50.26 and 31.06 m.
Every Sunday on 31.06 and 50.26 m.

10.30 Mass with Song, celebrated for the intentions of the Holy Father.

In German:
Daily News at 14.45 on 19.87 and 31.06 m.
Daily Talks at 19.45 on 50.26 and 48.47 m.

Every Sunday on 31.06 and 50.26 m.
10.30 Mass with Song.

In Spanish:
Daily News at 14.15 on 19.87 and 31.06 m.
Daily Talks at 20.00 on 48.47 and 50.26 m.

Every Sunday on 31.06 and 50.26 m.
10.30 Mass with Song, celebrated for the intentions of the Holy Father.

In Polish:
Daily Talks at 19.15 on 50.26 and 48.47 m.

Every Sunday on 31.06 and 50.26 m.
10.30 Mass with Song.

In Dutch:
Every Thursday at 18.45 on 48.47 and 50.26 m.

Announcements: In *Italian:* "Laudetur Jesus Christus — Parla la Radio del Vaticano." In *English:* "This is the Vatican Radio Station."

Opening-Signal: The bells of St. Peters.

Interval-Signal: Carillon on organ — Melody of popular song: "Christus vincit."

YUGOSLAVIA

Normal Clock Time — G. M. T. plus 1 hour.
Address: Radio A-D Belgrade, Direkcija Belgrade, Kneza Velikog 16/v, Belgrad.

Stations:

Belgrade I	686 kc/s	437.5 m	20 kW
Belgrade II	1089 kc/s	276.0 m	20 kW
Ljublana	527 kc/s	569.0 m	0,6 kW
Zagreb I	629 kc/s	476.9 m	10 kW
Skoplje	1240 kc/s	241.9 m	0,3 kW
Sarajevo	1086 kc/s	276.2 m	4,5 kW
Belgrade	9508 kc/s	31.56 m	4 kW
Belgrade	6140 kc/s	48.86 m	4 kW

Daily Programmes: Belgrade I and II: 05.25-08.05, 11.15-14.00, 15.40-22.15.

Daily Programmes in foreign languages:
31.56 m: 05.00-07.00 and 11.30-13.30.
49.18 m: 16.15-22.00.

31.56 m:

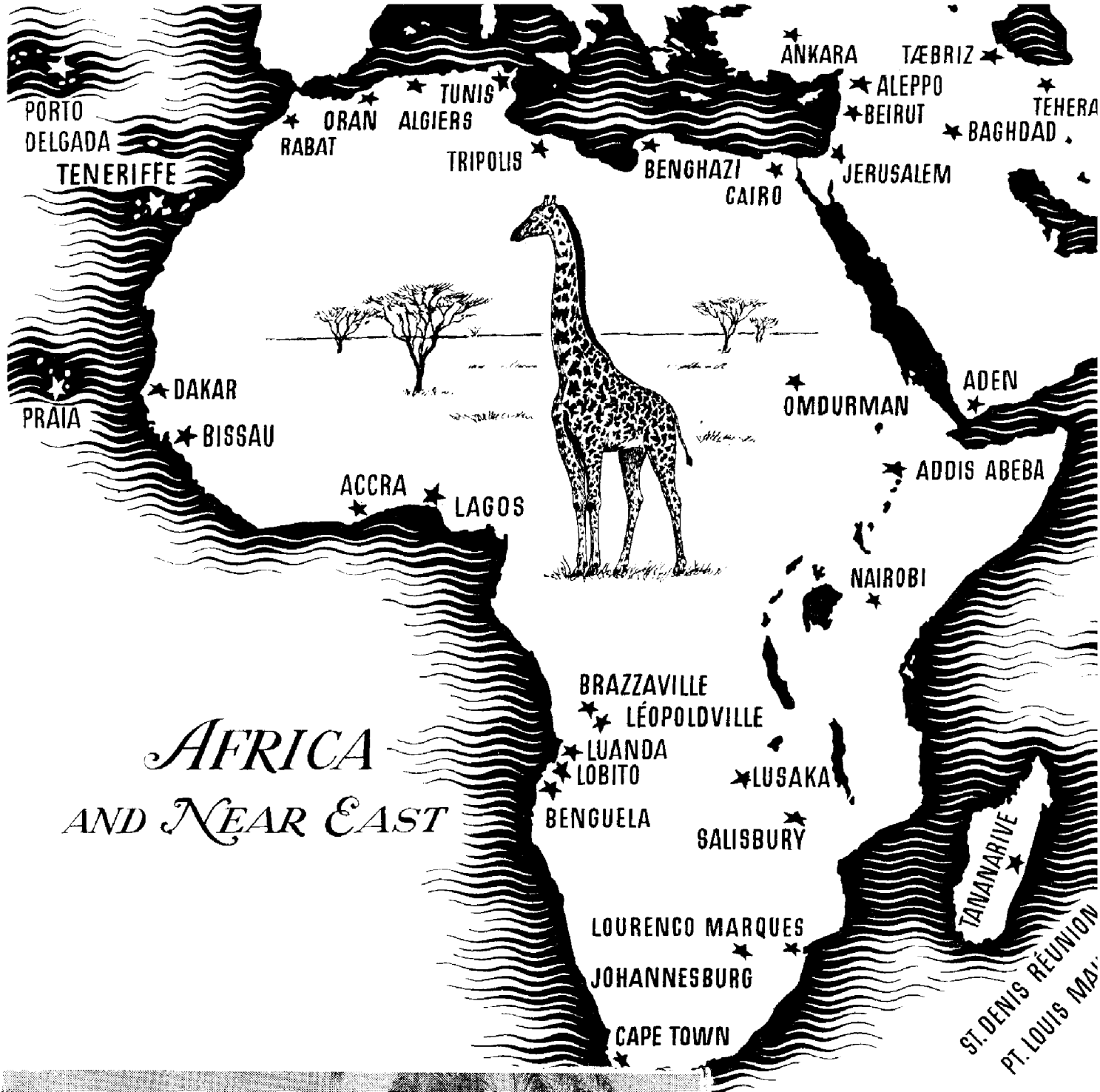
05.00-05.15 Bulgarian	11.45-12.00 Greek
05.30-05.45 Greek	12.15-12.30 Russian
05.45-06.00 Albanian	12.30-12.45 Czech
06.30-06.45 Hungarian	12.45-13.00 Roumanian
06.45-07.00 German	13.00-13.15 French
11.30-11.45 Italian	13.15-13.30 Bulgarian

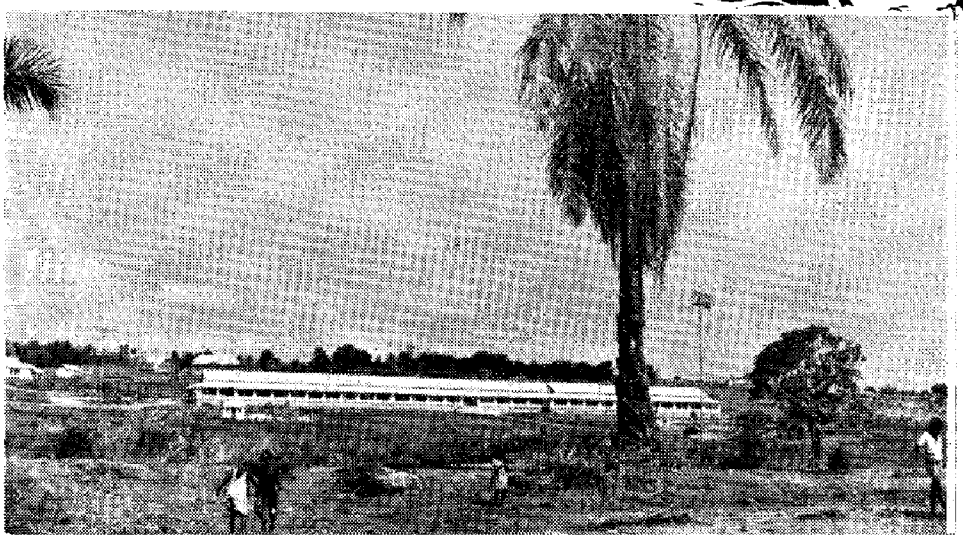
49.18 m:

16.15-16.30 Polish	18.30-18.45 Russian
16.30-16.45 Hungarian	18.45-19.00 Greek
16.45-17.00 Roumanian	19.30-19.45 Italian
17.15-17.30 Albanian	19.45-20.00 Albanian
17.30-17.45 English	20.00-20.15 Polish
17.45-18.00 Turkish	20.15-20.30 German
18.00-18.15 Czech	20.30-20.45 English
18.15-18.30 Bulgarian	21.15-21.45 Spanish
	21.45-22.00 French

Announcement: "Radio Beograd". Frequently female announcer.

Interval-Signal: Four bell tones.





The building and surroundings of Brazzaville in French Equatorial Africa.

AFRICA AND NEAR EAST

ALGERIA

Normal Clock Time — G. M. T.

Address: Radio-Algerie, 10 rue Hoche, Algiers.

Leading Personalities: Director: Mr. Eugene Pons. Chief-Engineer: Mr. Ange Bariani. Chief of Music Dept.: Mr. Georges Tessier. Chief of Talks: Mr. Marcel Harouimi. Chief of News Dept.: Mr. Jean Besombes. Chief of Arabic Transmisions: Mr. Cdt. Wilson.

Stations:

Network for French Transmissions.

Algiers I	941 kc/s	318.8 m	12 kW
Bone	1249 kc/s	240.2 m	0,2 kW
Constantin I	1086 kc/s	276 m	0,15 kW
Oran I	1429 kc/s	209.9 m	1 kW

Network for Arabic Transmissions.

Algiers II	1113 kc/s	269.5 m	10 kW
Constantin II	1438 kc/s	208.6 m	0,75 kW
Oran II	1255 kc/s	239.2 m	0,2 kW
Tlemcen	835 kc/s	359 m	0,75 kW

Shortwave.

Algiers III	11835 kc/s	25.35 m	10 kW

Daily Programmes in French:
Sundays from 07.00-24.00. *Weekdays* from 06.30-08.00, 11.30-14.00.
(Thursdays 14.45) and 18.30-23.00 *(Saturdays* 24.00).

News: 06.30, 07.30, 11.30, 12.45, 13.55, 18.30, 19.45 and 22.45.

Highlights of Programmes:
Symphony: 21.00 on Friday.
Light Music: 19.00 on Sundays - 21.15 on Mondays - 13.05 on Wednesdays and 13.05 on Fridays.
Music Hall: 11.10 on Sundays.
Theatre: 20.30 on Tuesdays and Saturdays.
Magazines: 12.15 and 19.15 on Weekdays.
Protestant Talk: 08.10 on Sundays.
Catholic Talk: 08.30 on Sundays.

Daily Programmes in Arabic:
Sundays from 06.30-08.00, 11.30-15.30 and 19.00-23.00.
Weekdays from 06.30-08.30, 11.45-14.00 and 19.00-23.00

Daily Programmes on Shortwave:
Programmes from *French Network* from 06.30-08.00 and 18.30-23.00 (24.00).
Programmes from *Arabic Network* from 11.45-14.00.

Announcement: "Ici Radio-Algiers".

Interval-Signal: Before and after *each transmission* extracts from the melodies: "Marouf" by Rabaud and "Escales" by Jaques Ibert. Before and after *news* extracts from the melody "La Casquette du Pere Bugeaud" played on bells. After the transmissions of the day: "La Marseillaise".

ANGOLA (Portuguese West Africa)

Normal Clock Time — G. M. T. plus 1 hour.

RADIO BENGUELA

Address: Radio Club de Benguela, P. O. B. No. 19, Benguela.

Leading Personalities: President: Dr. Antonio Durals.

Stations: *Radio Club de Benguela.*

CR6RB	9165 kc/s	32.73 m	0,15 kW
CR6RF	7054 kc/s	42.54 m	0,75 kW

Daily Programmes: 11.15-12.00, 17.30-19.00.
News in Portuguese daily at 11.15 and 18.00.

Announcement: "Radio Club de Benguela, Angola, Africa Occidental Portuguesa".

Interval-Signal: Four chimes every quarter of the hour. Close down with the National Anthem.

Message to Listeners: "We ask all shortwave listeners to send us reports, which will always be verified".

RADIO LOBITO

Address: Radiodifusora do Lobito, Caixa Postal 103, Lobito.

Leading Personalities: Director and Owner: Alvaro de Carvalho. Director of programmes: Marcolino Lopes.

Stations: Radio Lobito.

CR6AA	7177 kc/s	41.80 m	1 kW

Daily Programmes:
In *Portuguese* from 06.15-06.45, 11.30-12.45, 18.00-20.00.
In *English: Sundays* from 15.30-16.30.

Announcement: "This is Lobito, short-wave broadcasting station CR6AA."

Interval-Signal: Chimes.
Message to Listeners: The Radio Station CR6AA, at Lobito, Angola, Portuguese West Africa greets all listeners and is always glad to receive their comments on programmes.

RADIO CLUB DE ANGOLA

Address: Caixa Postal 229, Luanda, Angola.

Leading Personalities: President: Mr. Manuel Albuquerque e Castro. Chief Engineer: Mr. Rogerio Lima.

Stations: Radio Club de Angola.

CR6RC	11730 kc/s	25.58 m	0,15 kW
CR6RL	9500 kc/s	31.58 m	1 kW
CR6RA	7299 kc/s	41.10 m	1 kW

Daily Programmes in *Portuguese.*
From 06.15-c. 07.15, 11.15-c. 12.15 and 17.00-c. 20.00.

Announcement: "Aqui, Luanda, Radio Club de Angola."

AZORES

Normal Clock Time — G. M. T. minus 2 hours.

Address: Emissor Regional dos Azores, Ponta Delgada, San Miguel, Azores.
Stations: Ponta Delgada.

CSX2	4845 kc/s	61.92 m	1 kW
CSX2	7015 kc/s	42.76 m	1 kW

Daily Programmes in *Portuguese* on Weekdays only:
61.92 m from 20.00-21.00
42.76 m from 22.00-24.00
Weekly Press Review: 23.00 Sundays.
Sports: 23.00 Mondays.
Azorian Anthology: 20.45 Wednesdays.

Music by "Azorean Academy": 21.15 Fridays.
Traditions customs and tourism in Azores: Saturdays.

Announcement: "Emissor Regional dos Azores."

BELGIAN CONGO

Normal Clock Time:
Western part: G. M. T. plus 1 hour.
Eastern part: G. M. T. plus 2 hours.

RADIODIFFUSION NATIONALE BELGE

Address: Radiodiffusion Nationale Belge à Léopoldville, Congo Belge.

Leading Personalities: Shortwave Service of I. N. R.-Brussels under the same General Direction.
Brussels: Oversea's Director: Mr. F. Zoete. Editor of Talks: Mr. M. Hankard.
Léopoldville: Station manager: Mr. J. Van Overloop. Assistant: Mr. L. Le Roye. Chief Editor: Mr. M. Depré.

Stations: *Léopoldville,* 50 kW.

OTC5	17745 kc/s	16.90 m (irregularly)
OTC2	9745 kc/s	30.78 m (regularly during winter period)

Daily Programmes on 30.78 m from:
18.00-19.00: *Dutch:* 18.00 News and Talks — 18.20 Music. To Netherlands and South Africa.
19.00-20.30: *French:* 19.00 News and Talks — 19.20 Music To France, Switzerland and French Union.
20.30-21.45: *English:* 20.30 News and Talks — 20.50 Music — 21.40 News Summary. To Great Britain and British Territories in Africa Quarter of an hour's break.
22.00-23.00: *Portuguese:* 22.00 News and Talks — 22.20 Music. To Brazil.
23.00-24.00: *French:* News and Talks. To Canada, West Indies and South America.
00.00-00.30: *French:* Belgium calling countryman all over the world. 00.05 Press Review — 00.20 News and Talks.
00.30 01.00 *Dutch:* Belgium calling countryman all over the world. 00.35 Press Review — 00.50 News and Talks.
01.00-02.00: *Spanish:* News and Talks. To Mexico, Central and South America.
02.00-04.00: *English:* 02.00 News and Talks — 02.15 Music — 03.25 Music — 03.50 News. To United States of America and Canada.

Announcement: *French:* "Ici Léopoldville, la Radiodiffusion Nationale Belge". — *Dutch:* "Hier Leopoldstad, de Belgische Nationale Radio-Omroep". *English:* "This is Leopoldville, Belgian Congo, Belgian National Broadcasting Service", and the same text in other languages.

Interval-Signals: Native drums and xylophones.

Message to Listeners: "The R. N. B. greets listeners all over the world and welcomes their comments and technical reports."

RADIO CONGO BELGE
Address: Radio Congo Belge, Léopoldville, Congo Belge.
Leading Personalities: Temporary management: Director: Mr. J. Van Overloop, on behalf of the Belgian National Broadcasting Service.
Stations: *Radio Congo Belge.*

OTM1	6295 kc/s	47.65 m	3 kW
OTM2	9380 kc/s	31.98 m	7,5 kW
OTM4	11720 kc/s	25.60 m	7,5 kW

Daily Programmes from 05.00-07.00, 10.15-12.00, 16.00-20.00
OTM1 from 05.00-07.00, 10.00-12.00 and 16.00-20.00
OTM2 from 05.00-07.00 and 16.00-20.00
OTM4 from 10.15-12.00

05.00 News, French	11.45 Music
05.10 News, Flemish	16.00 Headlines
05.20 Music	16.05 Music
06.00 News, French	16.45 News, Portuguese
06.10 News, Flemish	17.00 Music
06.20 Music	18.00 News, Flemish
10.15 Music	18.15 Music
10.30 News, French	18.45 News, French
10.37 News, Flemish	19.00 Music
10.45 Music	19.55 Headlines, French and Flemish
11.30 News, French	
11.37 News, Flemish	

Announcements: In *French* "Ici Radio Congo Belge". In *Flemish* "Hier Radio Belgisch-Kongo".

Interval-Signal: Native drums and xylophone.

Message to Listernes: Reception reports will be gratefully acknowledged.

CANARY ISLANDS

Normal Clock Time — G. M. T. minus 1 hour.

Address: Radio Club Tenerife, Calle Alvarez de Lugo 43, Apartado de Correos 225, Santa Cruz de Tenerife, Islas Canarias.

Leading Personalities: President: Mr. D. Juan Garcia Sanjuan. Vicepresident: Mr. D. Juan Alvarez Delgado. Secretary: Mr. D. Enrique Diaz Expósito. Vicesecretary: Mr. D. Pedro Suarez Hernández. Administrator: Mr. D. Juan Labory, Gonzalez.

Stations: Santa Cruz de Tenerife, 0,5 kW.

EA8AB	7267 kcs/s	41.28 m

Daily Programmes in *Spanish* from 23.00-24.00.

Announcement: "Estaciones EA8AB Radio Club de Tenerife." At opening and close down: Local Melody: "Islas Canarias."

Message to Listeners: "Reports are welcomed and will be verified."

CAP VERDE ISLANDS

Normal Clock Time — G. M. T. minus 2 hours.

Address: Radio Clube de Cabo Verde, Service de Fazenda, Praia, Cap Verde Islands.

Stations: Praia 6405 kc/s 46.88 m 1 kW

Daily Programmes in *Portuguese* from 21.30-22.30.

EGYPT

Normal Clock Time — G. M. T. plus 2 hours.

Address: Egyptian State Broadcasting, Broadcasting House, Cairo.

Stations:

Cairo I	620 kc/s	483.9 m	20 kW
Cairo II	1349 kc/s	222 6 m	10 kW
Alexandria	1122 kc/s	267.4 m	0,5 kW
Assiut	731 kc/s	416.4 m	0,5 kW
Cairo SUX	7867 kc/s	38.13 m	10 kW
	10055 kc/s	29.83 m	10 kW

Daily Programmes in English and French:
On 483.9 m. 222.6 m, 267.4 m
Weekdays from 10.30-12.00, 17.00-21.00
Sundays from 08.00-12.00, 16.00-21.00

Daily Programmes in Arabic.
On 416.4 and 38.13 m from 04.45-06.10, 12.00-13.00 and 16.00-21.30 (Thuesday 23.05 and Saturday 22.05).
Fridays from 07.00-11.30, 12.00-13.00 and 16.00-21.30; from 09.10-11.00 and 19.00-19.30 also 29.83 m for prayers.

Egyptian broadcasting is being reorganized at present It is thus probable that a number of alterations will be made in the near future to the fixed broadcasts; consequently the programmes now valid are not included.

Announcement: "This is Cairo calling" in English, French, Greek and Arabic.

Interval-signal: Camel bells.

FRENCH EQUATORIAL AFRICA

Normal Clock Time — G. M. T. plus 1 hour.

Address: Radio Brazzaville, Poste National Français, Brazzaville.

Leading Personalities: Director: Mr. Jean Jacques. — Director of Foreign Transmissions: Mr. Louis C. D. Joos.

Stations: Brazzaville, FZI.

21000 kc/s	14.29 m	0,8 kW	from 10.00-12.45 and 16.00-01.20
17840 kc/s	16.82 m	7 kW	from 05.00-07.30, and 16.00-01.20 inactive
17530 kc/s	17.11 m	1,5 kW	from 10.00-12.45
15595 kc/s	19.23 m	50 kW	from 05.00-07.30 and 16.00-01.20
11970 kc/s	25.06 m	50 kW	from 05.00-07.30, 16.00-01.20
9964 kc/s	30.72 m	1,5 kW	from 05.00-07.30, 10.00-12.45
9440 kc/s	31.78 m	7 kW	from 05.00-07.30
6024 kc/s	49.80 m	1,5 kW	from 16.00-01.20
7000 kc/s	42.86 m	0,8 kW	from 05.00-07.30

Daily Programmes from 05.00-07.30, 10.00-12.45 and 16.00-01.20.
(E. means to Europe, N. E. to Near East, Ea. to East, A. to America.)

05.00 News, French. E.
05.20 News, English. E.
05.30 News, English. A.
05.45 Music.
06.00 News, French. E.
06.25 Music.
07.00 News, French. E.
09.00 Music. (Sun.).
10.00 Music.
10.15 News, French. N. E.
10.30 Music.
11.00 News, French Ea.
11.25 Music.
12.00 News, French. Ea.
12.15 News, English. Ea.
12.30 "Programme recreatif".
15.00 Music. (Sun.).
16.00 Music.
17.25 Variety.
18.00 News, French. E.
18.25 Music.
18.45 English. E.
18.45 News, Portuguese. E.
19.00 News, French E.
19.10 Music.
20.00 News, French. E.
20.25 Music.
20.30 News, Swedish.E.*)
20.45 News, English. E.
21.00 News, French. E.
21.20 Music.
22.05 News, French. A.
22.15 News, English. A.
22.30 Music.
23.00 News, French. A.
23.30 News, Portuguese. A.
23.45 News, Spanish. A.
00.00 News, English. A.
00.15 News, French. A.
00.35 Music.

*) only second Wednesday in every month.

Announcement: In *French:* "Radio Brazzaville, Poste National Francais." In *English:* "Radio Brazzaville, the French National Broadcasting Station in Frica." As a special identification, the station uses between the various programmes the "Marche Lorraine", General de Gaulle's favourite march.

Interval-Signal: When the station switches over from one direction to another is used a call signal of five different notes, played on a native instrument (Kisanzi) consisting of several vibrating iron bars attached to a wooden box.

Message to Listeners: We draw the attention of the listeners to the "English edited broadcasts on Mondays after the newsbulletin read at 16.45 and 00.00 G. M. T. and on Tuesdays after the newsbulletin read at 12.15 a so called "Mailbag Programme", answering listeners' letters written in English from all parts of the world".

GOLD COAST COLONY

Normal Clock Time — G. M. T.

Address: Broadcasting Department, Accra, Gold Coast Colony.

Leading Personalities: Acting Superintendent of Broadcasting: Mr. G. W. Butcher. Acting Programme Officer: Mr. E. E. Frewin, and Miss M. B. Rowlatt. Broadcast and Maintenance Officers: Mr. H. W. Akester, Mr. F. R. Fuller, Mr. J. R. Ord-Jolly.

Stations: Accra 1,3 kW.
ZOY 4915 kc/s 61.04 m and 7295 kc/s 41.11 m

Daily Programmes from 15.30-18.00
15.55 Ashanti Drums followed by Station Announcements
16.00 News and Music in the various languages of the Gold Coast, Ashanti and Northern Territories
17.45 Gold Coast News in English

Highlights of Programmes: Spelling Bee, Plays, Songs and Chorus by children and adults of the Gold Coast generally, Speeches and Talks by prominent people of all classes.

Announcement: "This is ZOY Accra in the Gold Coast Broadcasting on 41.1 and 61.04 Metres.

Message to Listeners: " Every Saturday evening regarding alterations to programme".

KENYA

Normal Clock Time — G. M. T. plus 3 hours.

Address: Cable and Wireless Ltd., Electra House, P. O. Box 777, Nairobi.
Stations: Nairobi, VQ7LO, 1,5 kW.

4885 kc/s	61.41 m	English
6060 kc/s	49.50 m	Indian and Vernaculars

Daily Programmes in English:
Mondays and *Fridays* from 15.00-19.00.
Tuesdays, Wednesdays and *Thursdays* from 15.00-20.00.
Tuesdays and *Thursdays* also 12.30-13.30.
Saturdays: 11.00-11.15, 15.00-20.00.
Sundays: 07.00-19.00.

MADAGASCAR

Normal Clock Time — G. M. T. plus 3 hours.

Address: Radio Tananarive. The Office of the French High Commissioner. Tananarive, Madagascar.

Leading Personalities: Director: Mr. R. Bergeaud.

Stations: Radio Tananarive.

FIQA	6063 kc/s	49.48 m	5 kW
	9693 kc/s	30.95 m	0,35 kW
	10615 kc/	28.26 m	0,25 kW

Daily Programmes in *French:*
Monday to *Thursday* from 03.55-05.30, 08.20-10.45 and 14.20-18.40.
Fridays: 03.55-05.30, 07.30-10.45 and 14.20-18.40.
Saturdays: 03.55-05.30, 08.20-10.45 and 14.00-18.40.

Announcement: "Ici Radio Tananarive" in French, Malgache and Comorien.
Interval-Signal: Musical notes played on the Malgache guitar.

MAROCCO (French)

Normal Clock Time — G. M. T.

Address: Radio Maroc, Immeuble des P. T. T., Rabat.

Leading Personalities: Director General: Mr. M. Ch. Massa. Chief of News Dept.: Mr. Paul Peyre. Director for French Programmes: Mr. Robert Barras. Director for Arabic Programmes: Mr. F. Goussé. Chief Engineer: Mr. Francois Goure. Chief of Administration: Mr. Grolleau. General Secretary of Administration: Mr. Lestage.

Stations:

Rabat 1	601 kc/s	499.2 m	20 kW
Rabat 2	868 kc/s	345.2 m	1 kW
Casablanca CNR3	1004 kc/s	298.8 m	1 kW
Casablanca CNR3	9082 kc/s	33.03 m	2,5 kW
Rabat CNR3	16666 kc/s	18.01 m	2,5 kW

Daily Programmes:
On 499.2 m from 06.40-15.00 and 17.00-24.00.
On 345.6 m from 06.40-08.30 and 12.00-13.45 and 18.20-24.00.
On 33.03 m from 06.40-08.30 and 18.20-22.40.
On 18.01 m from 12.00-13.45.

06.40-08.30 French Programme on 499.2, 345.6 and 33.03 m.
06.40 Music, 07.00 News, 07.10 Music, 08.00 News, 08.15 Classical Music.
08.30-09.00 and 12.00-12.15 Arabic on 499.2 m.
12.15-13.45 French Programme on 499.2, 345.6 and 18.01 m.
13.45-15.00 Arabic Programme on 499.2 m.
13.45-15.00 French Music on 345.6 m.
17.00-18.20 Arabic Programme (18.10 News) on 499.2 m.
18.20-18.30 Spanish News on 499.2, 345.6 and 33.03 m.
18.30-21.00 French Programme on 499.2, 345.6 and 33.03 m.
19.05 News, 20.30 News.
21.00-24.00 Arabic Programme (21.05 News) on 499.2 m.
21.00-22.40 French Programme on 345.6 and 33.03 m.
21.15 Music, 22.30 News.
22.40-24.00 French Programme on 345.6 m.

Highlights of Programmes in French:
Theatre: Tuesdays 19.30, Fridays 21.00.
Cabaret: Saturdays 19.30..
Literary: Mondays 19.10.
Concert: Mondays 19.30 on 499.2, 345.6 and *33.03 m.*
Tuesdays 12.50 on 499.2 m.
Wednesdays 18.30 on 499.2, 345.6 and *33.03 m.*
Fridays 12.50 on 345.6 and *18.01 m.*
Saturdays 13.45 on 345.6 m.

Announcement: "Ici Radio Maroc."

MAROCCO (Spanish)

RADIO TETUAN

Address: Radio Tetuan, Tetuan.

Stations: Radio Tetuan.

6070 kc/s	49.45 m	20 kW	

Daily Programmes in *Spanish* from 17.00-23.30.

Announcement: "La Voz de Espana en Africa."

MAURITIUS

Normal Clock Time — G. M. T. plus 4 hours.

Address: Mauritius Broadcasting Service, Curepipe, Mauritius.

Leading Personalities: Programme Director: Mr. G. Rambert.

Stations: Port Louis.

V3USE	7077 kc/s	42.53 m	0,05 kW

Daily Programmes from 03.00-04.00, 08.15-09.30, 12.45-16.00. News at 08,45, 03.45 and 14.45.

Announcement: In *French:* "Ici le Poste de l'Ile Maurice". In *English:* "This is the Mauritius Broadcasting Service".

Interval-Signal: The march »The Thin Red Line" (Composer: Alford).

MOZAMBIQUE

(Portuguese. East-Africa)

Normal Clock Time — G. M. T. plus 2 hours.

Address: Radio Clube de Mozambique, P. O. Box 594, Lourenco Marques, Colonia de Mozambique.

Leading Personalities: President: Cap. Antonio dos Santos Figueiredo. Vice-President: Arthur Meirim. Treasurer: Henrique Rodrigues. Manager: Augusto Gonçalves.

Stations: *Lourenco Marques.*

CR7BE	9715 kc/s	30.88 m	7,5 kW
CR7BJ	9653 kc/s	31.08 m	10 kW
CR7BU	4925 kc/s	60.91 m	7.5 kW
CR7BV	4855 kc/s	61.75 m	7,5 kW
CR7AB	3490 kc/s	85.96 m	0,6 kW

Daily Programmes in Portuguese: For the Colonies of Mozambique, Angola and Portugal.
On *Weekdays* from 05.00-06.00, 09.00-11.30 and 16.00-20.00 on 31.08 m and from 16.00-20.00 on 61.75.
On *Sundays:* from 09.00-12.00 on 31.08 m and from 16.00-20.00 on 61.75 m.

05.15 News.	18.05 Light Music
10.15 Music	18.25 News
10.30 News	19.15 Music
17.00 News	19.45 News

Highlights of Programmes:
Varieties: 18.30 Tuesdays and Fridays.
Orchestra: 18.30 Mondays.
Symphony Concert: 19.00 Thursdays.
Classic Music: 19.00 Saturdays.

Daily Programmes in English and Afrikaans:
For the Union of South Africa, Rhodesia, Nyassaland and Belgian Congo. *Weekdays* from 16.00-22.00 on 60.91 and 85.96 m and *Sundays* from 07.00-12.00 on 30.88 m and from 15.00-22.00 on 60.91 m and 85.96 m.

The *English* Programmes consist entirely of music alternating with advertisements. 16.00 Requests, 18.00 Variety, 19.30 Music from America, 1945 Rhytm from the Mountains on the South Seas. — 20.30 Evening Star, 21.00 Dance Music.

Announcement: *Hourly identification:* "Marigold" followed by in *Portuguese:* Then follow four chimes: "do-mi-do-sol" and in *English:* "This is Radio Mozambique, Lourenzo Marques for happy listening on the ... metre bands." Half hourly and quarter hourly: Chimes and "This is Radio Mozambique". ..... *Opening announcement* at 16.00: An African melody exclusive to this station "Danca negra".
Message to Listeners: "Reports will be very much appreciated and answered".

REUNION (French Colony)

Standard Time — G. M. T. plus 4 hours
Address: Radio St. Denis, St. Denis.

Stations: Radio St. Denis

7170 kc/s	41.84 m	0,2 kW
4797 kc/s	62.54 m	0,2 kW

Daily Programmes in *French* from 03.00-03.30 and 13.45-14.30.

NORTH RHODESIA

Normal Clock Time — G. M. T. plus 2 hours.
Address: Northern Rhodesia Broadcasting Station, Information and Public Relations Office, P. O. Box 209, Lusaka.

Leading Personalities: Director of Information: H. Franklin. Broadcasting Engineer: John W. Murray.

Stations: Lusaka ZQP

3914 kc/s	76.60 m	5 kW
7220 kc/s	41 55 m	0.5 kW
9705 kc/s	30.91 m	2,5 kW

Daily Programmes:
Weekdays: 15.00-17.00
Programmes in English, Chibemba, Chinyanja, Chitonga, Silozi.
Sundays: 09.00-10.30, 15.30-16.30
09.00: European programme. 15.30: Religious Service for Africans.

Announcement: "This is the Northern Rhodesia Broadcasting Station in Lusaka".

Interval-Signal: Kalimba (Native musical instrument) and drums.

SOUTHERN RHODESIA

Normal Clock Time — G. M. T. plus 2 hours.

Address: Broadcasting House, P. O. Box 1300, Salisbury.

Stations:

Salisbury	3658 kc/s	82.01 m	1 kW
Umtali (Day)	6120 kc/s	49.02 m	1.5 kW
Gwelo (Night)	3320 kc/s	90.36 m	1.5 kW
Bulawayo	3800 kc/s	78.95 m	1 kW

Daily Programmes i *English* on all frequencies:
Weekdays from 09.30-11.15 and 16.00-20.00
Sundays from 08.30-11.15 and 18.00-20.00

09.30 Daily Service	17.45 Progr. Preview
09.40 News English	18.00 News from BBC
09.45 For Hospitals	18.15 African News in
10.45 Sport, Music	English
11.00 News from BBC	19.00 Music
16.00 News from BBC	19.30 Dance Music
16.15 Music	

Announcement in *English:* "You are listening to Salisbury" or "Southern Rhodesia Calling".

Interval-Signal: Recorded peals of church bells.

SENEGAL (Africa Occ. French)

Normal Clock Time — G. M. T.

Address: Radio-Dakar, Service Radioelectrique "Direction des Transmissions" Dakar.

Stations:

FZK6	6917 kc/s	43.37 m	0,5 kW
FZK6	7210 kc/s	41.61 m	0,5 kW
FHE3	11715 kc/s	25.61 m	12 kW
FHE2	15345 kc/s	19.55 m	12 kW

Daily Programmes in *French:*
On 43.37 m from 07.15-07.30, 12.00-13.00 and 18.00-22.00.
On 25.61 m from 07.15-07.30 and 12.00-13.00.
On 19.55 m from 18.30-22.00.

07.15 News	18.45 Light Music
12.15 Music	19.30 News
12.30 News	20.00 News in Onoloz
12.50 Music	20.10 Classical Music
12.58 Programme Preview	21.15 News
	21.30 Music

Announcement: Opening at 07.00, 12.00 and 18.30 with a continuous three note signal on a flute-like instrument for 15 minutes. Thereafter at 07.15 is played. "Hymne de l'infanterie de Marine" and the following announcement in French: "Ici Radio Dakar, emettant sur 25.61 et 43.37 (or 19.55 et 43.37) de longueur d'onde. Il est 07.16 (or 12.16 or 18.46) G. M. T."

SOMALILAND (British)

Normal Clock Time — G. M. T. plus 3 hours.

Address: Information and Broadcasting Department, Government Headquarters, Hargeisa.

Leading Personalities: Director of Public Relations: Mr. E. J. Seaward.

Station: Radio Somali Hargeisa.

VQ6MY	7120 kc/s	42.13 m	1 kW

Daily Programmes in *English* and *Somali* from 16.30-17.30. Sundays no broadcast.

Announcement: "This is Radio Somali".

Interval-signal: Play records.

SUDAN (Anglo-Egyptian)

Normal Clock Time — G. M. T. plus 2 hours.

Address: Sudan Broadcasting Service, Public Relations Office. P. O. Box 282, Khartoum.

Leading Personalities: Broadcasting Officer: H. H. Finch-Dawson. Assistant Broadcasting Officer: Mitwalli Eff. Mohd. Eid. Studio Controller: Hussein Eff. Taha Zaki.

Stations: *Radio Omdurman.*

9650 kc/s	30.09 m	0,45 kW
13320 kc/s	22.52 m	0,25 kW
572,5 kc/s	524 m	0,75 kW

Daily Programmes on all frequencies:
In English: Fridays from 17.30-18.00.
In Arabic: Daily from 04.15-04.45, 16.30-18.00, 19.00-19.30 except Fridays. *Fridays* from 04.14-04.45, 08.00-09.30, 14.00-15.00, 16.30-17.30, 19.00-19.30.

Announcement: *Arabic:* "Huna Omdurman". *English:* "Radio Omdurman calling".

Message to Listeners: "Reception reports from listeners will be much appreciated and answered".

TANGIER

Normal Clock Time — G. M. T.
Address: Radio International Sociedad Africana de Radiodifusion S. A., 54 Goya Street, Tangier.
Leading Personalities: President: Mr. Antonio Gariques Canabête. Vice-President: Mr. Virgilio Oñate Sanchez. Secretary: Mr. Lucien Bensimhon. General Manager: Mr. Herbert Rutledge Southworth. Administrator: Mr. Aladino Cuetos Martinez. Chief Engineer: Mr. Jesus Martin Córdova.

Stations: Radio International.

1230 kc/s	244 m	10 kW
6200 kc/s	48.40 m	1 kW

Daily Programmes in four languages French, Spanish, Arabic and English.
Weekdays from 13.00-16.00 and 19.00-24.00 (Sat. 18.00-19.00).
Sundays from 10.00-12.00, 16.00-16.30 and 18.00-19.00.

19.00-20.00 Arabic Music
14.00-16.00 Requested Music (French and Spanish)
10.00-12.00 "Bringing Christ to the Nations" in French, Spanish and English (Sundays only)

Interval-Signal: Moroccan Music.

TUNIS

Normal Clock Time — G. M. T. plus 1 hour.

Address: Radio Tunis, Tunis.

Stations:

Tunis (Djedeida)	823 kc/s	364.2 m	20 kW
Tunis N. D.	868 kc/s	345.6 m	1 kW

Daily Programmes in French and Arabic:
From 06.00 08.00, 11.00-13.30 and 17.00-21.30.
News in French at 06.00, 11.30, 12.40, 17.30, 19.00.

UNION OF SOUTH AFRICA

Normal Clock Time — G. M. T. plus 2 hours.

Address: South African Broadcasting Corporation, P. O. Box 4559, Johannesburg.

Leading Personalities: Chairman of the Board of Governors: Prof. L. Fouche. Director-General: Mr. R. S. Caprara. Secretary: Mr. G. D. Roos. Controller of Programmes: Miss G. Dickson. Chief Engineer: Mr. W. Hilarius. Programme Directors: Mr. W. P. van der Berg and Mr. H. E. Dawes.

STATIONS:
Transvaal Division:
Johannesburg III, 5 kW. Programme "B"
3450 kc/s 86.97 m inactive
4895 kc/s 61.28 m Daily: 15.50-21.05
6007 kc/s 49.95 m Weekdays: 05.45-06.30, Sun.: 05.55-06.10
9523 kc/s 31.51 m Weekdays: 08.15 12.10, 14.00-15.40
Sundays: 08.15-15.40
11710 kc/s 25.62 m inactive
Johannesburg IV, 1 kW. Programme "A"
6095 kc/s 49.22 m 04.45-06.30 (Sun. 05.55-06.10), 16.20-21.05
9870 kc/s 30.40 m Weekdays: 08.15-12.10, 14.00-16.10
Sundays: 08.15-16.10
Johannesburg V, 0.2 kW. Programme "A"
4878 kc/s 61.50 m *Weekdays:* 04.45 06.30, 08.15-12.10, 14.00-21.05. Sundays: 05.55-06.15, 08.15-21.05

Cape Division:
Cape Town III, 5 kW. Programme "B"
4878 kc/s 61.50 m *Weekdays:* 04.45-06.30. *Sundays:* 05.55-06.10. Daily: 16.00-21.05
9610 kc/s 31.20 m *Weekdays:* 08.15-12.10, 14.00-15.45
Sundays: 08.15-15.45

Natal Division:
Pietermaritzburg II, 0.5 kW. Programme "A"
4878 kc/s 61.50 m *Weekdays.* 04.45-06.30, 08.15-12.10, 14.00-21.05. *Sundays:* 05.55-06.15, 09.00-21.05

Bechuanaland:
Mafeking, 0.2 kW
5900 kc/s 50.85 m

Daily Programmes:
Programme "A", mainly in *English* on following hours and frequencies:

04.45-06.30 (Weekd.): 68.60, 61.50 and 49.22 m
05.55-06.15 (Sun.): 68.60, 61.50 and 49 22 m
08.15-12.10 (Weekd.): 68.60, 61.50 and 49.22 m
08.15-16.10 (Sun.): 30.40, 68.60 and 61.50 m
14.00-16.10 (Weekd.): 68.60, 61.50 and 30.40 (to 16.10)
16.20-21.05 (Daily:): 68.60, 61.50 and 49.22 m

04.45 Exercise	14.00 Music
05.00 News	16.00 News, BBC
05.05 Exercise	17.00 News
05.20 Music	17.15 News (Afrikaans)
06.00 News, BBC	17.45 Music
08.15 Prayers	20.00 News
08.30 Music	20.05 Music
11.00 News (Afrikaans)	20.45 News, BBC
11.15 News (English)	

Daily Programmes:
Programme "B", mainly in *Afrikaans* on following hours and frequencies:

04.45-06.30 (Weekd.):	51.00 and 49.95 m
05.55-06.10 (Sun.):	51.00 and 49.95 m
08.15-12.10 (Weekd.):	31.51 and 31.20 m
08.15-15.45 (Sun.):	31.51 and 31.20 m
14.00-15.45 (Weekd.):	31.51 and 31.20 m
16.00-21.05 (Daily):	61.28 and 51.00 m

04.45 Exercise	11.30 Music
05.00 News	14.00 Music
05.05 Exercise	15.30 News, BBC
06.00 News, BBC	17.00 News
08.15 Prayers	17.15 News
08.30 Music	20.00 News
11.00 News	20.45 News, BBC
11.15 News	

English and Afrikaans programmes exchange frequencies 18.00-21.05 on Fridays at Johannesburg, and 18.20-20.00 on Wednesdays at Cape Town.

Announcement: Various opening announcements are given in both English and Afrikaans. These announcements invariably include the names of the transmitting stations in the chain. Before each news service and any special announcements the initial letters of the chain or groups are given in morse. These are J for Johannesburg, C/K for Cape Town/Kaapstad and D for Durban. Cape Town III transmission comes on at 04.40, has bugle-call at 04.45 followed by English sign on, then goes into Afrikaans with 15 minutes of setting-up exercises characterised by piano accompaniment; clock strikes 7 at 05.00.

NEAR EAST

IRAN

Normal Standard Time — G. M. T. plus 3½ hours.

Address: Radio Teheran, Wireless Dept., Ministere des Posts, Telegraphes et Telephones, Teheran.

Stations:

Radio Teheran			
EQD	4830 kc/s	62.11 m	1 kW
EQB	6155 kc/s	48.74 m	7 kW
EQC	9680 kc/s	30.99 m	7 kW
EPB	15100 kc/s	19.87 m	14 kW
Radio Täbriz			
5800 kc/s	51.72 m	7,5 kW	09.30-11.30, 13.30-17.30.

Daily Programmes for Radio Teheran from 03.15-05.00, 09.00-12.30, 14.00-19.00.

EQD from 02.30-04.30, 14.30-19.00
EQB from 02.30-04.30 and 14.30-19.30
EQC from 09.10-12.30
EPB from 10.30-12.30.
Every Friday from 05.30-12.30 Programme for Moslems.

LEBANON

Normal Clock Time — G. M. T. plus 2 hours.

Address: Service de Radio-diffusion de la Republique Libanaise, Beyrouth.

Leading Personalities: Director of Broadcasting: Mr. Halim Lahoud. General Manager: Mr. Nagib Lian; Chief Engineer: Mr. Joseph Rouhayem.

Stations: Beyrouth.

Beyrouth	8036 kc/s	37 m 34	2,5 kW
Beyrouth	730 kc/s	411 m	4 kW

Beyrouth Shortwave-station (100 kW) is under construction.

DAILY PROGRAMMES on all frequencies:
Weekdays: 04.45-06.15, 10.15-13.00, 15.30-21.00
Sundays: 06.00-07.00, 09.30-12.30, 14.00-21.00
News in Arabic: 05.00 (Sundays excepted), 06.00, 11.00, 17.00, 18.00, 20.30
News in French: 05.30 (06.30 on Sundays), 11.30, 19.00
News in English: 16.00

Announcement: After five minutes of the Station's "Special Signal", the Lebanese National Anthem is played. The announcer opens the broadcasts with: "Hona Beyrouth. Mahatat al Izaa al Lubnaniat".
In *French:* Ici Beyrouth. Station de Radio-diffusion de la Republique Libanaise.
In *English:* This is the English Programme of the Lebanese Broadcasting Station in Beirut.

Interval-Signal:

PALESTINE

Normal Standard Time — G. M. T. plus 2 hours.

PALESTINE BROADCASTING SERVICE

Address: Palestine Broadcasting Service, Queen Melisande's Way, P. O. P. 1082, Jerusalem.

Leading Personalities: Director: The Hon. Edwin Samuel, C. M. G. Assistant Director: Mr. Rex Keating.

Stations: Jerusalem, 20 kW.

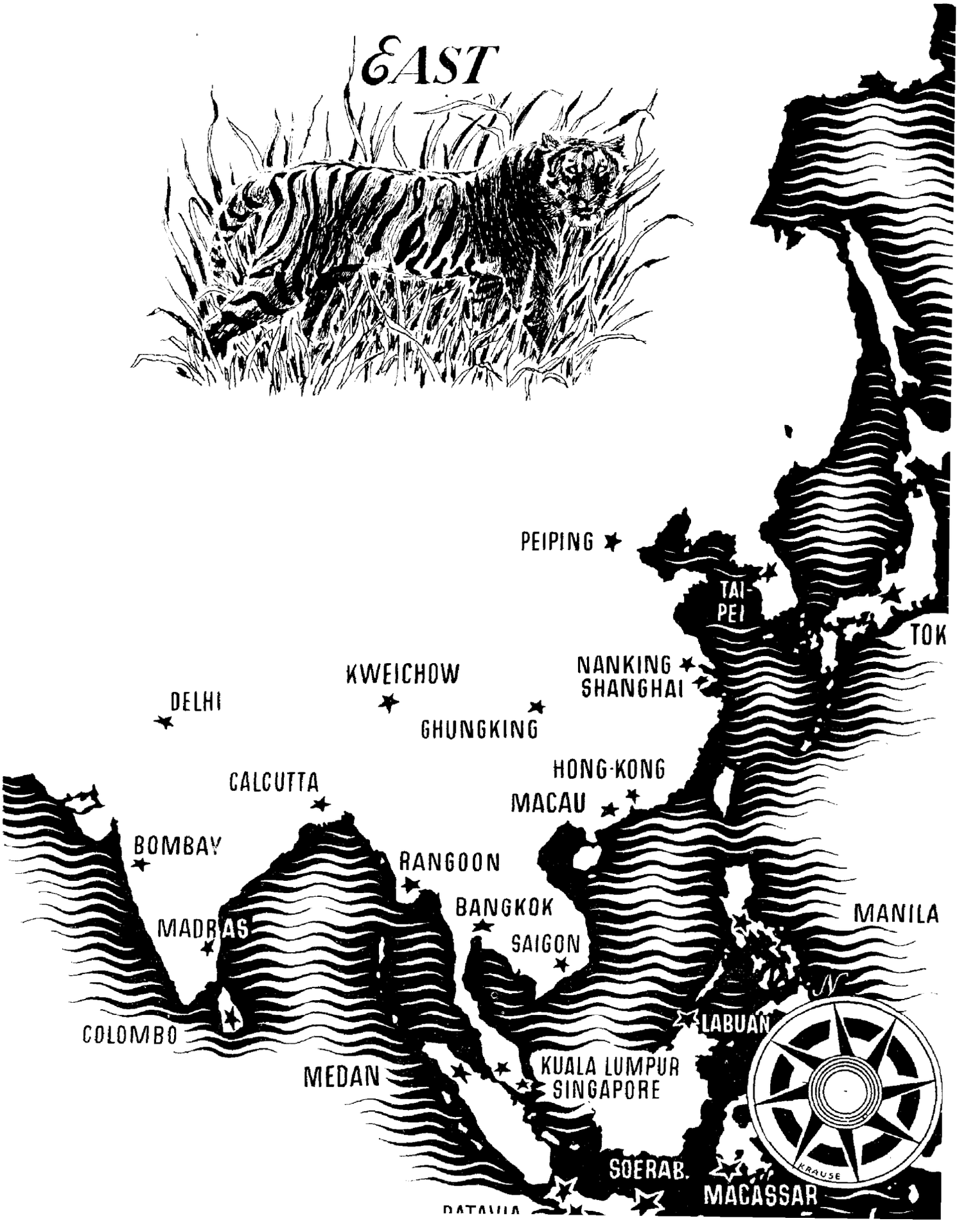
Jerusalem I	ZJM	677 kc/s	443 m
Jerusalem II	ZJM2	574 kc/s	522 m

Daily Programmes:
In *Arabic* on 443 m from 05.00-05.40, 11.45-12.45, and 16.15-19.30.
In *Hebrew* on 522 m from 05.00-05.45, 10.30-11.30 (Sun. and Sat. from 10.00 and 09.00 resp.), 16.15-20.30.
In *English* on 433 and 522 m from 05.45-06.00, 09.00? 10.00 (Sun. only), 15.00-16.15 (Tuesd. from 15.15, Fri. and Sat. from 15.30) and 19.30-19.45.
In *English* (Light Programme) on 443 m only from 19.45-20.30.
In *English* (Second Programme) on 522 m only from 19.45-20.30 (and on Sat. from 13.00-15.30).

News: In *English* at 05.45, 11.30, 19.30.
In *Arabic* at 05.15, 11.45, 16.45, 18.15, 19.25.
In *Hebrew* at 06.15, 11.15, 16.45, 18.15, 19.25.

Highlights of Programmes:
Sundays: 08.00-09.00: Religious Service from Churches in Jerusalem.
Fridays: 09.00-10.15: Moslem Prayers from the Al Aqsa Mosque in Jerusalem (Arabic).
Daily. 18.00-18.15: Reading in *Hebrew* from the Old Testament
Announcement in English: "This is Jerusalem calling on 443 and 522 meters."

Interval-Signal: Oriental shepherd's song.


EAST
PEIPING
TAI-PEI
TOK
NANKING
SHANGHAI
KWEICHOW
DELHI
GHUNGKING
HONG-KONG
CALCUTTA
MACAU
BOMBAY
RANGOON
BANGKOK
MANILA
MADRAS
SAIGON
LABUAN
COLOMBO
KUALA LUMPUR
SINGAPORE
MEDAN
SOERAB.
MACASSAR
KRAUSE

Middle East Forces Radio

Address: Forces Broadcasting Unit I, Jerusalem, Palestine.

Leading Personalities: Major Leslie Knight. Captain John Gordon. Mr. Tom Moffett.

Stations: Jerusalem JCKW 7220 kc/s 41.55 m 7,5 kW

Daily Programmes:
Weekdays: 04.30-06.30 and 08.00-21.00.
Wednesdays and *Sundays:* 05.00-23.00.

Weekdays:	*Sundays:*
04.30 Light Music	05.00 Light Music
06.00 News from BBC	07.00 News from BBC
06.15 Light Music	07.15 Music
11.00 News	07.45 Religious Service
11.15 Music and Variety	08.00 Music and Variety
13.00 Classical Music	11.00 News from BBC
14.00 Newsreel	11.15 Light Music
16.30 Light Music	13.00 Classical Music
18.00 News from BBC	14.00 Light Music Newsreel
18.15 Music	
20.00 Dance Music	

Announcement: "This is your Forces Broadcasting Service Jerusalem."

Interval-Signal: Marigold (Columbia FB 1161).

Near and Middle East

Address: Near East Arab Broadcasting Station (Sharq al Adna), P. O. B. 1170, Jerusalem.

Leading Personalities: Director: Mr. F. W. Benton. Manager of Broadcasts: Mohhammed Bey Ghussein. Chief Engineer: Mr. A. W. Dean, Deputy Manager of Broadcasts: Ahmed eff. Jarrah.

Stations: Sharq al Adna. 7,5 kW.

ZJM3	3320 kc/s	90.36 m	ZJM6	6790 kc/s	44.18 m
ZJM4	6135 kc/s	48.90 m	ZJM8	9650 kc/s	31.09 m
ZJM5	6170 kc/s	48.62 m	ZJM7	11720 kc/s	25.60 m

Daily Programmes in *Arabic* from 03.55-05.00, 10.30-14.45 and 15.45-19.30.

On 90.36 m from 03.55-05.00, 10.30-14.45 and 15.45-19.30
On 48.90 m from 03.55-05.00 and 15.45-19.30
On 48.62 m from 03.55-05.00 and 15.45-19.30
On 44.18 m from 03.55-05.00, 10.30-14.45 and 15.45-19.30
On 31.09 m and 25.60 m from 10.30-14.45

News at 04.00, 05.30, 11.30, 12.30 (Press Review), 16.00, 16.15 (dictation speed), 18.30, 19.00.

Announcement: *Arabic* only — "Mahhattat a sharq al adna".

Interval Signal: Arab music played on stringed instrument.

Message to Listeners: "Reception reports will be welcomed and answered by QSL cards if requested".

SYRIA

Normal Clock Time — G. M. T. plus 2 hours.
Address: Posts, Telegraphs and Telephones Department Damascus.

Stations:

Damascus	592 kc/s	506 m	2 kW
Damascus	6000 kc/s	50 m	0,5 kW
Damascus	7500 kc/s	40 m	0,5 kW
Aleppo	769 kc/s	390 m	2 kW

Daily Programmes in *Arabic:*
From 05.00-06.00, 12.00-13.00 and 16.00-19.00.

TURKEY

Normal Clock Time — G. M. T. plus 2 hours.

Address: Turkish Press Department, Radio Branch, Ankara.

Leading Personalities: Director General of the Turkish Press Publicity and Broadcasting: Mr. Nedim Veysel Ilkin. Director of Radio Branch: Mr. Cevat Menduh Altar. Director of Technical Branch: Mr. Ibrahim Sükrü Esgün. Director for Ankara Radio: Mr. Nejad Saner.

HOME PROGRAMMES
Stations: *Radio Ankara.*

TAR	182 kc/s	1648 m	120 kW
TAP	9465 kc/s	31.70 m	20 kW
TAQ	15195 kc/s	19.74 m	20 kW

Two stations under construction:
Istanbul 150 kW (Mediumwave)
Ankara 100 kW (Shortwave)

Daily Programmes in *Turkish* from TAR:
On *Weekdays* from 05.28-07.00, 10.28-12.00, 15.30-21.05.
On *Sundays* from 06.28-1200, 15.30-21.05.

05.28 07.00: Music, News. — 10.28-12.00: Music, News. 15.30-21.05: News, Talks, Theatre, Music.

OVERSEAS SERVICE
Daily Programmes:
TAQ: *Weekdays* from 10.28-12.00 (Saturday 13.00).
On *Sunday* from 09.45-12.00. **TAP:** *Daily* from 16.00-21.00.

11.00 News, Turkish	19.00 News, Serbo. Croat.
11.15 News, Turkish	19.15 News, Bulgarian
16.00 News, Urdu	19.30 News, German
16.15 News, Persian	19.45 News, Hungarian
16.30 News, Arabic	21.30 Postbag in English (Sun)
17.00 News, Turkish	
17.15 Radio Gazette in Turkish	21.30 Programme in English (Tuesd. and Thursd.)
17.45 News, English	20.45 News, Turkish
18.00 News, French	23.00 Programme for USA (Fortnightly on Tuesd.)
18.30 News, Greek	
18.45 News, Rumanian	

Announcement: TAR in Turkish: "Buras Turkiye radyosu". *Shortwave* in Turkish: "Buras Ankara radyosu". In English: "This is Ankara".

Interval-Signal:

BURMA

Normal Clock Time — G. M. T. plus 6½ hours.

Address: Burma Broadcasting Service, Rangoon.

Leading Personalities: Director U. Khin Zaw.

Stations: *Rangoon*, 7,5 kW.
9540 kc/s 31.44 m (except Monday) 6035 kc/s 49.71 m

Daily Programmes in *English:*
On 31.44 m from 01.15-01.30 and 06.15-06.45
On 49.71 m from 14.15-15.15
News at 01.25, 06.30 and 15.00. — *Music:* 00.15, 06.15, 14.15. — *Programme Preview* for next day 15.13.

Highlights of Programmes:
The Church speaks: Sundays 14.45
The Voice of Burma: Thursdays 14,45
Opera: Fridays c. 14.15

Daily Programmes in *Burmese:*
On 31.44 m from 01.00-01.15, 01.30-02.15, 05.30-06.15 and 06.45-07.30
On 49.71 m from 12.00-14.15

Announcement: "This is the Burma Broadcasting Service, Rangoon".

Interval-Signal: *English programmes:* Signature tune: Alford's Quick March: "On the Quarter Deck". Interim tune between progr. and news: "Desert Victory March". After the news at 06.30: "H. M. Jolliese" and after the news at 15.00: "Eight Army March".
Burmese programmes: Signature tune: Burmese oboe, gongs and drums.

Message to Listeners: "To hear Burmese opinion we invite listeners to listen to "The Voice of Burma", broadcast every Thursday an 49.71 m at 14.45".

CEYLON

Normal Clock Time — G. M. T. plus 5½ hours.

RADIO SEAC

Address: Radio Unit SEALF, Forces Broadcasting Service, 191, Turret Road, Colombo, Ceylon.

Leading Personalities: Station Director: Wing Commander A. E. Smith; Director of Programmes: Major Alexander Moyes; News Editor: Captain Ronald George; Programme Presentation: Captain Desmond Carrington; Programme Compilation: Captain Freddie Coles.

Stations: Radio SEAC, Ceylon.

17820 kc/s	16.83 m	7.5 kW
15120 kc/s	19.84 m	100 kW
9520 kc/s	31.51 m	100 kW
6075 kc/s	49.38 m	7.5 kW
3395 kc/s	88.30 m	7.5 kW

Daily Programmes (Main Programme) from 00.30-17.00
On 17770 kc from 03.30-12.55, 16.00-17.00 (Sat. 03.30-17.00)
On 15120 kc from 00.30-04.00, 04.30-10.00 12.00-16.15 (Sat. to 17.00)
On 9520 kc from 03.30-17.00 (Sun. to 19.00)
On 6075 kc from 00.30-04.00, 04.30-10.00, 12.00-17.00 (Sun. to 19.30)
On 3395 kc from 03.30-17.00 (Sun. to 19.30)

00.30 Music
01.00 News (BBC)
01.15 Music
02.00 Programme
03.00 News (BBC)
03.15 Music
05.30 News
06.30 News
08.00 News (BBC)
08.10 Programme Announcements
11.00 News (BBC)
12.30 News
13.28 Programme Announcements
15.00 Radio Newsreel
16.00 News (BBC)

Special beam to the United Kingdom on Sundays on 19.84 m from 17.30-19.30. Indian Forces Programme on 19.84 m and 49.38 m from 04.00-04.30 and 11.00-12.00.

Highlights of Programmes.
"Heard Melodies are Sweet". Classical requests: Mondays and Thursdays at 12.35, repeated on Tuesdays and Fridays at 06.32.
"SEAC Theatre": Every Thursday at 13.30.
"Radio Cinema". Edited film sound track: Every Sunday at 13.30.
"Magazine Programme": Sunday at 10.00, Monday at 13.30, Tuesday at 13.30, Wednesday at 04.00, Thursday at 05.45, Friday at 14.30, Saturday at 05.00.
Symphony Concerts: Sunday at 09.00, Wednesday at 14.00, Thursday at 15.15.
Jazz and Swing: Sundays at 12.00, Mondays at 14.00, Tuesdays at 14.00, Wednesdays at 09.00, Fridays at 14.00.

Announcement: "This is Radio SEAC, Ceylon". Close down with National Anthem.
Signature Tune: "Strike up the Band".

Interval Signal: "Strike up the Band" played as glockenspiel motif.

Message to Listeners: "Although erected primarily at the instigation of Lord Louis Mounbatten for the entertainment of troops serving in Burma, Radio SEAC has grown vastly in power and scope to such an extent that its normal area of full coverage is 30 million square miles. For some time now it has been found that good signals can be received over practically the whole of the civilised world. Radio SEAC welcomes reports from radio professionals and amateurs wherever their location, and undertakes to send a prompt and grateful Q.S.L. Nowhere is the keenness of listeners greater than in Scandinavia, and it is a source of great pleasure to the Station Director, that not a week passes without bringing 20 to 30 detailed reception reports from this area.

COLOMBO BROADCASTING

Address: Colombo Broadcasting Service, Telecommunication Department of the Government of Ceylon, Colombo.

Station: Colombo ZOH 4900 kc/s 61.29 m 11 kW

Daily Programmes in English from 02.00-02.40 (exc. Sun.), 05.00-08.30 and 11.45-17.00

02.00 Music
02.30 News from Today's Papers
06.00 Indian Music
07.50 News in English
08.00 Music
13.50 News in English
15.30 Music
16.00 News from Today's Papers (BBC)

Announcement: "This is Colombo Ceylon calling on ZOH for home on 428.6 m (700 kc/s) and 61.29 m (4900 kc/s)"

Interval-Signal: Assortment of tunes.

CHINA

Manchuria: Normal Clock Time — G. M. T. plus 9 hours.
East China: Normal Clock Time — G. M. T. plus 8 hours.
West China: Normal Clock Time — G. M. T. plus 7 hours.

Stations:

Chungking	XGOY	15170 kc/s	19.78 m	35 kW
Chungking	XGOY	11913 kc/s	25.21 m	35 kW
Chungking	XGOY	9658 kc/s	31.07 m	35 kW
Chungking	XGOY	7153 kc/s	41.94 m	10 kW
Peiping	XRRA	6090 kc/s	49.26 m	10 kW
Kuichow	XPSA	7007 kc/s	42.86 m	10 kW
Shanghai	XORA	11690 kc/s	25.66 m	5 kW
Nanking	XGOA	11835 kc/s	25.36 m	7,5 kW
Nanking	XGOA	9730 kc/s	30.86 m	2 kW
Nanking	XGOA	5918 kc/s	50 69 m	7,5 kW
Kunming	XPRA	6404 kc/s	46.86 m	15 kW
Canton	XTPA	11650 kc/s	25.74 m	1 kW
Hankow	XLRA	12500 kc/s	24.00 m	1 kW
Hankow	XLRA	6054 kc/s	49.54 m	1 kW
Lanchow	XMRA	9750 kc/s	30.77 m	1 kW
Amoy	XUPB	8343 kc/s	35.94 m	0,5 kW
Chekiang	XOPB	9552 kc/s	31.40 m	0,4 kW
Foochow	XGOL	10000 kc/s	30.00 m	0,2 kW
Shansi	XKPB	9500 kc/s	31.58 m	0,2 kW
Tai-Pei	XUPA	9600 kc/s	31.75 m	3 kW
Taiwan	XUPA	7220 kc/s	41.55 m	3 kW

XGOY — CHUNGKING
Address: Chinese International Broadcasting Station XGOY, Chungking.

Daily Programmes in English from 09.55-16.50.
08.55-10.30 on 25.21 m. To Australia, New Zealand and East Africa.

10.35-12.35 on 31.07 and 41.94 m. To East Asia and South Seas.

12.40-14.45 on 19.78 and 41.94 m. To North America.
Daily at 13.00: News. *Sundays* at 13.30: Bringing Christ to the Nations. *Weekdays* at 14.00: News in dictation speed and 14.15 Symphony Hour.

14.55-15.50 on 19.78 and 41.94 m To Europe, South Seas and China.

XRRA — PEIPING
Address: Central Broadcasting Administration, Nanking.
Daily Programmes from 00.30-01.30 and 11.00-14.15.

XPSA — BROADCASTING STATION — KWEIYANG
Daily Programmes from 23.55-00.30, 05.30-07.00 and 10.30-14.30.

XORA — BROADCASTING STATION — SHANGHAI
Daily Programmes from 23.45-02.00 and 08.00-15.30.

XGOA — CENTRAL BROADCASTING STATION — NANKING
Daily Programmes from 23.30-01.30, 04.30-05.30 and 09.00-16.00.

XPRA — KUNMING
Daily Programmes from 05.00-10.00 and 11.30-16.00.

XTPA — CANTON
Daily Programmes from 04.00-06.30 and 10.00-14.30.

XLRA — HANKOW
Daily Programmes from 04.30-05.30 and 10.30-14.45.

XMRA — LANCHOW
Daily Programmes from 00.00-02.00, 05.30-07.00 and 11.00-14.30.

XUPB — AMOY
Daily Programmes from 10.30-15.00.

XOPB — HANGCHOW
Daily Programmes from 00.30-03.30 and 05.30-14.20.

XGOL — FOOCHOW
Daily Programmes from 09.00-15.00.

XKPB — SHANSI-TAIYUAN
Daily Programmes from 00.30-01.30, 03.00-04.00 and 09.30-14.55.

XURA — TAIWAN
Address: Chong Suu Park, Taipeh, Taiwan.
Daily Programmes from 22.00-24.00, 03.55-06.20 and 09.00-14.55.

EAST-INDIA (Dutch)

JAVA

Normal Clock Time — G. M. T. plus 7½ hours.

BATAVIA.
Address: Regeerings Voorlichtings Dienst, Koningsplein 12, Batavia.

CENTRAL WESTERN STATIONS:

Batavia YDD	2600 kc/s	115.3 m	0,25 kW	Local
Batavia YDD2	4870 kc/s	61.60 m	0,3 kW	For West Java
Batavia YDD3	9550 kc/s	31.41 m	3 kW	For Dutch East-India Archip.
PLB4	10365 kc/s	28.94 m	3 kW	For Dutch East-India Archip.

Daily Programmes in Dutch.
On *Sundays* from 23.30-07.15 and 09.30-16.00.
On *Weekdays* from 22.30-00.30, 04.30(Sat. 03.30)-07,15 and 09.30-16.00.
News at 23.00 (Weekd.), 23.30 (Sund.), 00.00 (Weekd.), 00.30 (Sund.), 05.30-07.00, 08.30 to 10.00 (Dictate), 12.00 and 14.30.

English Programme from 10.30-11.00.

CENTRAL EASTERN STATIONS:

Poerri YDB2	4910 kc/s	61.10 m	0,3 kW	For Java, Sumatra
YDE	11770 kc/s	25.40 m	3 kW	For Java, Malaga
YDC	15145 kc/s	19.82 m	3 kW	For Java, Australia, India, Arabia
YDB3	7270 kc/s	41.27 m	1 kW	For Java
YDB	2235 kc/s	134.2 m	0,25 kW	Local

Daily Programmes in Dutch.
On *Sundays* from 23.30-06.30 and 08.30-15.30 (Except YDC from 23.30-06.30 and 11.00-14.25)
On *Weekdays* from 22.30-01.30, 03.30-06.30 and 08.30-15.30 (Except YDC from 10.30-14.25)

News at 23.00 (Weekd.), 01.00 (Weekd.), 04.00, 06.00, 11.30 and 14.00.

English Programme from 10.30-11.00.

OVERSEAS STATIONS:

PLE3	18600 kc/s	16.12 m	2,5 kW	For Holland, Europe, India
PLA2	19345 kc/s	15.50 m	2,5 kW	For Holland, Europe, India
PLC	11440 kc/s	26.22 m	3 kW	For U. S. A, Philippines
YDC	15145 kc/s	19.82 m	3 kW	For Australia, Malaya, India and Arabia
PLD6	17630 kc/s	17.02 m	3 kW	For Arabian Countries

100 kW transmitter under construction; will be ready Septbr. 1948.

Daily Programmes from 23.00-01.30, 06.00-09.00,11.00-14.00 and 17.00-22.30
22.30-01.30 on 19.82 m: Progr. in Indonesian
03.30-06.30 on 19.82 m: Progr. in Indonesian
09.30-10.30 on 19.82 m: Progr. in Dutch
10.30-11.00 on 19.82 m: Progr. in English
11.00-11.15 on 19.82 m: Progr. in Chinese
11.15-14.25 on 19.82 m: Progr. in Indonesian
14.30-15.00 on 19.82 and 26.22 m: Progr. in English
15.30-16.45 on 16.12 m: Progr. in Dutch
16.45-17.00 on 15.50 m: Progr. in English
17.30-18.30 on 17.02 m: Progr. in Chinese

BANDOENG
Address: Radio Bandoeng, Regeerings Voorlichtings Dienst, Bandoeng.

WESTERN STATIONS: Radio Bandoeng.

PMB3	10060 kc/s	29.82 m	3 kW	For Java, Borneo
PMB2	7995 kc/s	37.52 m	3 kW	For Java, Sumatra
YDA	3024 kc/s	99.20 m	3 kW	For Java, Celebes
YDA3	7100 kc/s	42.25 m	0,18 kW	For West Java

Daily Programmes in Dutch:
On 29.82 m Weekdays exc. Mondays from 23.30-01.00, 04.30-06.15 and 10.00-15.30 (Thursdays only 07.00-08.30)
On 99.20 m Sundays from 23.30-07.15 and 10.00-15.30 and *Weekdays* from 23.30-01.00 and 10.00-15.30.
On 42.25 m: Sundays from 23.30-07.15 and *Weekdays* from 04.30-07.15 (exc. Mondays)

News at 23.45 (only Mondays), 07.00, 12.00, 14.00 (Relay P. C. J. Holland)
Relay from B. B. C. daily at 11.00

EASTERN STATIONS: Radio Bandoeng.

PMB4	10260 kc/s	29.23 m	3 kW	For West Java and Sumatra
PMA2	6748.5 kc/s	44.50 m	0,18 kW	For Local
YDA3	7100 kc/s	42.25 m	0,18 kW	For West Java

Daily Programmes from 23.30-01.30
News in Indonesian at 00.15 and 01.15

SOERABAJA
Address: Regeerings Voorlichtings Dienst, Kajoon 44, Soerabaja.

WESTERN STATIONS: Radio Omroep, Soerabaja.

YDI	3240 kc/s	92.59 m	0,25 kW	For Java
YDI2	4370 kc/s	68.64 m	0,20 kW	For Java

Daily Programmes in Dutch:
On *Sundays* from 00.00-06.30 and 09.30-15.15
On *Weekdays* from 22.05-01.00, 00.00-00.15, 05.30, 06.30 and 10.00-15.15.
News on *Weekdays* at 23.05, 00.00, 04.30, 06.30, 12.30, 14.30
News on *Sundays* only at 12.40
Relay from PCJ Holland from 14.00-14.15

EASTERN STATIONS: Radio Resmi Soerabaja.

YDI2	4720 kc/s	63.56 m	3 kW	For Java
PDF3	12000 kc/s	25.00 m	1 kW	For Java
PMS4	13600 kc/s	22.08 m	0,25 kW	For Java

Daily Programmes in Indonesian from 23.30-01.00, 04.30-06.00 and 10.35 (Sun. 08.30)-14.30.

News in Indonesian at 23.45, 05.45 (only Weekd.), 13.00 and 14.00
News in Balinesian at 11.00
News in Chinese at 11.10
News in Javanese at 12.30

SEMARANG
Address: Radio Semarang, Regeerings Voorlichtings Dienst, Semarang.

Stations: Radio Semarang.

YDH	2510 kc/s	119.5 m	0,06 kW Local
YDH2	11030 kc/s	27.20 m	0,1 kW For Central Java

Daily Programmes from 11.30-15.30

News in Dutch: Daily at 12.30
News in Indonesian: Weekdays at 12.20

CELEBES

Normal Clock Time — G. M. T. plus 8 hours.

Address: Radio Macassar, Strandweg Z 2, Macassar Indonesia State of East Indonesia N. E. I.
Macassar, Capital city of the autonomous State of *East Indonesia.*

Leading Personalities: Director of Broadcasting: Mr. A. Niederer. Director of Dutch and English Programmes: Mr. W. M. Erdtsieck. Director of Indonesian Programmes: Mr. W. Ch. Risakotta. Chief Engineer: Mr. J. Schaap. Administrator: Mr. W. L. T. Willemsz Geeroms.

Stations: Radio Macassar.

Y. F. A. 9	9357 kc/s	32.06 b	10 kW
Y. F. A.	5060 kc/s	59.28 m	0,5 kW

Daily Programmes:
Weekdays from 04.00-06.30 and 10.00-14.30.
Sundays: 00.00-06.30 and 09.15-14.30.

Sundays	*Weekdays*
Dutch	*Dutch*
00.00 Catholic Church	04.00-05.15 Indonesian
01.00 Classical Music	05.15 Music or Talk
02.00 Protestant Church	05.20 News
03.00 Music	05.25 Light music
03.40 Children's Corner	06.00 Popular Music
04.00 Light Music	06.15 News
05.00 News	06.30 Close down
05.15-12.30 Indonesian	10.00-12.30 Indonesian
12.30 Music	12.30 Talk or Music
12.40 Talk	12.45 Music
13.00 Music	13.00 English Commentary (Mon. & Fri.)
13.05 Relay Broadcast from the Harmony Club at Macassar	13.15 Music
13.35 Variety Programme	14.00 News
14.00 News	14.10 Dance Music
14.10 Dance Music	14.30 Close down

English
13.00-13.15 Commentary on Mondays and Fridays

Highlights of Programmes:
"Pennies from Heaven". Non-Stop Variety Programme. For Overseas Listeners. *Saturdays* from 00.35-01.45. *Classical Concert:* Fridays from 12.35-13.00 and 13.15-14.00.

Announcement: Indonesian and English. Dutch and English. *Indonesian:* "Di sini Radio Resmi Makassar". Dutch: "Hier is Radio Makassar". *English:* "This is Radio Macassar". **Signature Tunes:** *Dutch* Programme: "Calling all Workers". *Indonesian* Programme: "The voice of the Gun". **Closing Tunes:** *Dutch* Programme: "A perfect Day (on Cinema Organ). *Indonesian* Programme: "Lagoe potong padi".

Message to Listeners: "Reception reports from listeners will be much appreciated and will be answered.

SUMATRA

Normal Clock Time — G. M. T. plus 7½ hours.

Address: Radio Sumatra, Medan.

Stations:

YDP	4845 kc/s	61.92 m	0,5 kW
YDP2	7200 kc/s	41.67 m	0,12 kW Lokal

Daily Programmes in Dutch from 06.30-07.30 and 11.30-13.30

News: *Weekdays* at 06.45 and 12.45 except Sat. and Sun. at 05.45 and 12.45

BORNEO

Normal Clock Time — G. M. T. plus 7½ hours.

Address: Radio Balikpapan, Pontianak.

Stations: Radio Balikpapan.

YCN	5480 kc/s	54.74 m	0,04 kW	Local
YCN-2	6650 kc/s	45.11 m	0,125 kW	For West- and South-Borneo
YCN-3	8090 kc/s	37.08 m	0,25 kW	For West- and South-Borneo

Daily Programmes from 10.45-12.30
News in Dutch at 11.15. — *News in Indonesian* at 12.00.

HONG-KONG

Normal Clock Time — G. M. T. plus 8 hours.

Address: Hong-Kong Broadcasting Studio, Gloucester Building 2nd Fl., Hong-Kong.

Leading Personalities: A Government controlled station with an advisory committee under the chairmanship of the Postmaster General: Mr. E. I. Wynne-Jones. Programme Secretary: Mr. D. Keith Hardy. Chinese Secretary: Mr. S. C. Lau.

Stations: *Hong-Kong* 1 kW.

Z. B. W.	845 kc/s	*English*	
Z. E. K.	640 kc/s	*Chinese*	
Z. B. W. 3	9525 kc/s	31.49 m	*English* and *Chinese*

Daily Programmes: ZBW3 from 04.30-06.00 and 10.30-15.00 *carrying* the *English* and *Chinese* programmes on ZBW and ZEK, at the following times:

ZBW: English from 04.30 to 05.15, 10.30 to 11.30 and 13.00 to 15.00
02.30 English Church Service (Sun. only)
03.30 English Programme (Sun. only)
04.30 English Programme
05.00 News in English
05.10 Local Weather Report and Forecast
10.00 Children's hour. English (Wedn. and Fri. only)
10.30 English Programme
11.00 London Relay: News in English
11.15 English Programme
13.00 London Relay: News in English
13.05 Local Weather Report and Forecast
13.06 English Programme
ZEK: Chinese from 05.15 to 06.00 and 11.30 to 13.00
05.15 News in Mandarin
05.30 News in Cantonese
05.45 News in Swatow
11.30 News and Commentary in Chinese
12.15 Chinese Programme

Announcement:
English: "This is station Z. B. W. Hong-Kong".
Chinese: "Heung Kong Kwang Tian Toi Z. E. K.".

Interval Signal: March.

INDIA

Normal Clock Time — G. M. T. plus 5½ hours

Address: Directorate General, All India Radio, Government of India Broadcasting House, Parliament Street, New Delhi.

Leading Personalities: Director General: Mr. P. C. Chaudhuri (O. B. E., I. C. S.) Chief Engineer: Mr. B. V. Baliga, — Director of Administration. Mr. Rai Sahib C. N. Sen., Director of News & External Services. Mr. M. L. Chowla, Editor for Indian Listeners: Mr. S. N. Ghosh.

Stations: Delhi.

VUD2	4960 kc/s	60.48 m	10 kW
VUD3	6110 kc/s	49.10 m	5 kW
VUD10	6190 kc/s	48.47 m	20 kW
VUD11	7240 kc/s	41.44 m	20 kW
VUD2	7290 kc/s	41,15 m	10 kW
VUD5	7290 kc/s	41.15 m	100 kW
VUD11	7290 kc/s	41.15 m	20 kW
VUD5	9590 kc/s	31.30 m	100 kW
VUD10	9630 kc/s	31.15 m	20 kW
VUD3	9670 kc/s	31.02 m	5 kW
VUD11	9670 kc/s	31.02 m	20 kW
VUD2	9680 kc/s	30.99 m	10 kW
VUD11	11760 kc/s	25.51 m	20 kW
VUD4	11850 kc/s	25.32 m	10 kW
VUD9	11870 kc/s	25.27 m	7,5 kW
VUD11	15130 kc/s	19.83 m	20 kW
VUD7	15160 kc/s	19.79 m	100 kW
VUD5	15190 kc/s	19.74 m	100 kW
VUD11	15290 kc/s	19.62 m	20 kW
VUD3	17760 kc/s	16.89 m	5 kW
VUD8	17760 kc/s	16.89 m	7,5 kW
VUD10	17830 kc/s	16.83 m	20 kW
VUD8	21510 kc/s	13.95 m	7,5 kW

Bombay, VUB2, 10 kW		**Calcutta, VUC2, 10 kW**	
4880 kc/s	61.48 m	4840 kc/s	61.98 m
7240 kc/s	41.44 m	7210 kc/s	41.61 m
9550 kc/s	31.41 m	9530 kc/s	31.48 m

Madras, VUM2, 10 kW	
4920 kc/s	60.98 m
7260 kc/s	41.32 m
9590 kc/s	31.30 m

East-India Sumatra Borneo Hongkong India

Daily Programmes from Delhi to Listeners outside India
In English:

03.15 Summaries of the External Services. Programmes for the next seven hours	in 25-19-16-13 m. b.
03.30 News	in 25-19-16-13 m. b.
05.30 News. (Including a round up of Indian News in the last twenty-four hours) followed by Western Music (exc. Sun.)	
Sun. "Lessons in Hindustani"	in 25-19-16-13 m. b.
06.30 News	in 25-19-16-13 m. b.
10.00 Headlines News followed by Programme summary for the next 7½ hours	in 25-19-13 m. b.
11.30 News, followed by composite Programmes Music or Talk.	
Sun. "Lessons in Hindustani"	in 19-16-13 m.b.
14.00 Summaries of the Programmes Broadcast in the External Services	in 25-19-13 m. b.
14.30 News	in 31-25-19-13 m. b.
14.45 Recorded Western Music	in 25-13 m.b.

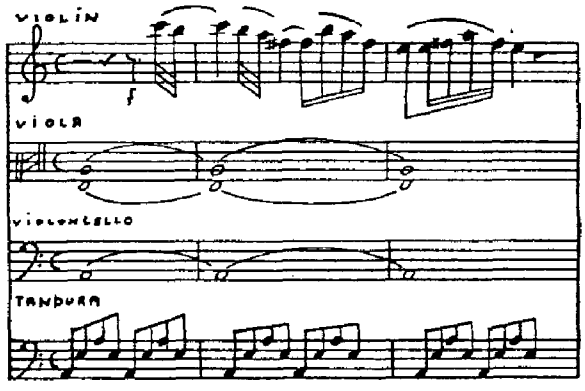
In other languages:

03.45 Chinese Music	in 25-19-16-13 m. b.
05.00 Burmese News	in 19-16 m. b.
06.00 Hindustan News, Music	in 25-19-16-13 m. b.
09.30 Chinese News	in 25-19-16 m. b.
10.00 Chinese News	in 19-16 m. b.
10.30 Hindustan Music	in 25-19-13 m. b.
11.30 Burmese News, Various	in 19 m. b.
16.15 Arabic News, Various	in 31-25-19-13 m. b.
16.45 Persian News, Various	in 31-25-19-13 m. b.

Daily Home Programmes from Delhi, Bombay, Calcutta and Madras on Shortwave.
Home News in English:
02.30 in 41-31-26-19 m. b.
08.00 in 31-25-19-16 m. b.
12.30 in 41-31-25-19 m. b.
15.30 in 60 41-31-25-19-16 m. b.
16.00 in 25-31-16 m. b. (BBC News Relay)

Announcement: "You are listening to All India Radio".

Interval-Signal: All India Radio's signature tune is a melody of eight seconds' duration repeated with intervals of 10 seconds in between. The instruments used are Violin, Viola, Cello and Tampura.



INDOCHINA (French)

Normal Clock Time — G. M. T. plus 8 hours.
Address: Radio Saigon, 86 Rue Mac-Mahon, Saigon,

Leading Personalities: Manager: M. Rene Paget, Head of English Dept. M. Jean Pipon, Head of Artistic Dept.: M. Raymona Steenbrugge, Chief-Editor (French news): M. Georges Ducrest.

Stations:

Radio Saigon	11780 kc/s	25 47 m	12 kW
Radio Saigon	6190 kc/s	48 47 m	12 kW

Daily Programmes: 23.30-01.00, 02.15-06.35, 08.30-16.00.

23.30 News in French	04.30 News in French
00.30 News in French	10.00 English Progr.
00.45 English Progr.	12.00 French Progr.
02.15 News Dictation	13.30 English Progr.
04.00 Music	15.00 News in French

Announcement: "Ici Radio Saigon La Voix de la France en Extreme-Orient."
"This is Radio Saigon — The Voice of France in Far-East."

Interval-Signal: Gong.

Message to Listeners: "We receive an important mail from overseas listeners interested in our English programmes. All reports are answered: firstly over the air, every Friday at 13.45 G. M. T., and every Monday at 10.38 G. M. T. secondly, by means of a verification card, or personal letter, if needed. We attach much importance to these listeners reports and cordially invite DX fans to write to us and frankly give us their opinion on our programmes".

MACAO (Portuguese China)

Normal Clock Time — G. M. T. plus 8 hours.

Address: Radio Club de Macau, Colonie de Macau.

Leading Personalities: President: Luciano Bothello da Costa Martins, Engineer: Joao J. Alvares. Acting Manager: Luiz Gonzaga Gomes.

Stations: Radio Clube de Macau.
CR8AA 9235 kc/s 32.49 m 0,5 kW.

Daily Programmes from 09.30-12.30 and 12.45-14.30.

Highlights of Programmes:
12.50-13.00 Progr. in *English.*
13.00-14.30 International Programme.

Interval-Signal: Portuguese Anthem: "A Portuguesa."

MALAYA

Normal Clock Time — G. M. T. plus 7 hours 20 minutes.

BRITISH FAR EASTERN BROADCASTING SERVICE

Address: British Far Eastern Broadcasting Service, Thomson Road Studios, P. O. Box 434, Singapore.

Leading Personalities: Controller: Mr. C. Lawson-Reece. Programme Director: Mr. D. L. Porter. Chief Engineer: Mr. Bruce Purslow. Administrative Officer: Mr. W. R. Baker.

Stations: Singapore 7.5 kW

Orange Network		Purple Network	
6770 kc/s	44.31 m	9690 kc/s	30.98 m
11735 kc/s	25.56 m	15300 kc/s	19.61 m
		21720 kc/s	13.81 m

Daily Programmes
On 44.31, 25.56 and 19.61 m from 05.30-06.30 and 08.30-17.00 except Mon., Tuesd., Sat. and Sun. from 08.00-17.00.
On 30.98 m from 10.30-17.00.
On 13.81 m from 05.30—06.30 and 08.00—10.30.

Orange Network
05.30 Prog. in English
06.00 News in English
08 00 Prog. Preview
08.05 Prog. in English
08.30 Prog. Preview (Weds., Thursd., Fri.)
08.45 Light Music
09.00 News in English
09.15 Talk in English
09.30 News in Malay
10.00 Prog. in Dutch
10.15 News in Dutch
10.30 Prog. in Siamese
11.00 News in Siamese
11.15 Music
11.30 Chinese from BBC
11.45 "English Half Hour" News from BBC
12.15 Prog. in Malay
12.50 News in Malay
13.00 News in Burmese from BBC
13.15 News in Dutch from BBC
13.30 Prog. in Dutch
14.00 Radio Newsreel from BBC
14.15 News in English
14.30 Talk from BBC (Sun., Mon.)
15.00 Music and Talk (Wedn.)
15.15 Music and Talk (Fri.)
15.30 Music and Talk (Mon.)
16.00 News from BBC
16.10 "From Today's Papers" from BBC
16.15 Talk from BBC (exc. Wedn.)
16.30 Music
16.45 News in English

Purple Network
05.30-09.29 See Orange Network
09.30 Prog. in Cantonese
09.50 Prog. in Chinese
10.00 News in Chinese
10.20 News in Hokkien
10.30 News in French
11.00 News in Japanese from BBC
11.30 Chinese from BBC
11.45 "English Half Hour"-News
12.00 Talks
12.15 News in French
12.30 Prog. in Siamese
12.45 News in Siamese
13.00 Prog. in Siamese
13.15 News in Siamese
13.30 News ~ Prog. in Chinese from BBC
14.00 Radio News Reel from BBC
14.15 News in English
14.30 Talk from B.B.C. (Sun., Mon., Tues. & Fri.)
15.00 Music and Talk (Wedn.)
15.15 Music and Talk (Fri.)
15.30 Music and Talk (Mon.)
16.00 News from BBC
16.10 "From Today's Papers"
16.15 Talk (From BBC exc. Wedn.)
16.30 Music
16.45 News in English

Highlights of Programmes:
"Radio Theatre" on Sundays at 14.30
"Live Feature" on Saturdays at 14.30
"Symphony Concert" on Thursdays at 14.45
"The International Scene" on Thursdays at 16.15

Announcement: In *English:* "This is the British Far Eastern Broadcasting Service, Singapore". Languages: Malay, Siamese, Chinese, Dutch, French and Japanese.

Interval-Signal: A chime of two bells at 7 seconds interval.

Message to Listeners: "The British Far Eastern Broadcasting Service greets all listeners in South East Asia and is always glad to receive their comments on programmes and reception."

RADIO MALAYA

Address: Radio-Malaya, Department of Broadcasting, Cathary Building, Singapore.

Singapore	7200 kc/s	41.66 m	10 kW
Singapore	4825 kc/s	62.18 m	10 kW
Kuala Lumpur	6045 kc/s	49.63 m	10 kW
Singapore	4780 kc/s	62.76 m	10 kW

Daily Programmes from Singapore (Blue Network).
In English:
On 41.66 m from 03.40-04.40, 05.40-06.40.
On 62.18 m from 14.10-15.40 Saturdays also 09.40-11.40.
05.40 Music, 06.10 News, 14.10 News, 14.25 Talks, 15.10 Music, 15.40 News.
Radio Roundabout on Saturdays at *13.10.*

In Malayan:
On 41.66 m from 04.40-05.40.
On 62.18 m from 10.40-12.25.
05.25 News, 10.55 Talk, 12.20 News.

Daily Programmes from Singapore (Red Network).
In Chinese:
On 62.18 m from 04.40-06.40.
On 62.76 m from 12.25-14.10.
News at 05.40 and 12.25.
Sundays: 07.40 Afternoon Variety, 09.25 Weekly Preview, illustrated, 13.15 Symphony Concert.

Daily Programmes from the Malayan Union: Kuala Lumpur.
In English:
On 49.63 m from 05.40-06.40 and 13.10 (Sun. 07.40)-15.40 (Sat. 16.40).
Weekdays: 05.40-06.40 Progr. from Singapore, 13.10 News, 13.15 Music, 14.10 News, 14.25 Talk, 14.40 Music, 15.35 News.

Sundays: 07.40 Afternoon Variety, 09.25 Weekly Preview, illustrated, 13.15 Symphony Concert.

Announcement: "Here is Radio Malaya calling you from ..... (Singapore, Kuala Lumpur, Penang, Seremban or Malacca respectively).

Interval-Signal: "Terrang Bulan."

SIAM

Address: The Overseas Broadcasting Station, Publicity Department, Bangkok, Siam.

Leading Personalities: President: Luang Sukhum Nayapradit, Manager: Nai Witt Siwasariyanon. Chief Engineer: Luang Tantakosai.
Being a government, not a commercial organization, this station is under direct supervision of the Director-General of Publicity Department, Bangkok. The officer directly in charge of it is the Chief of the Foreign Affairs Division, Publicity Department.

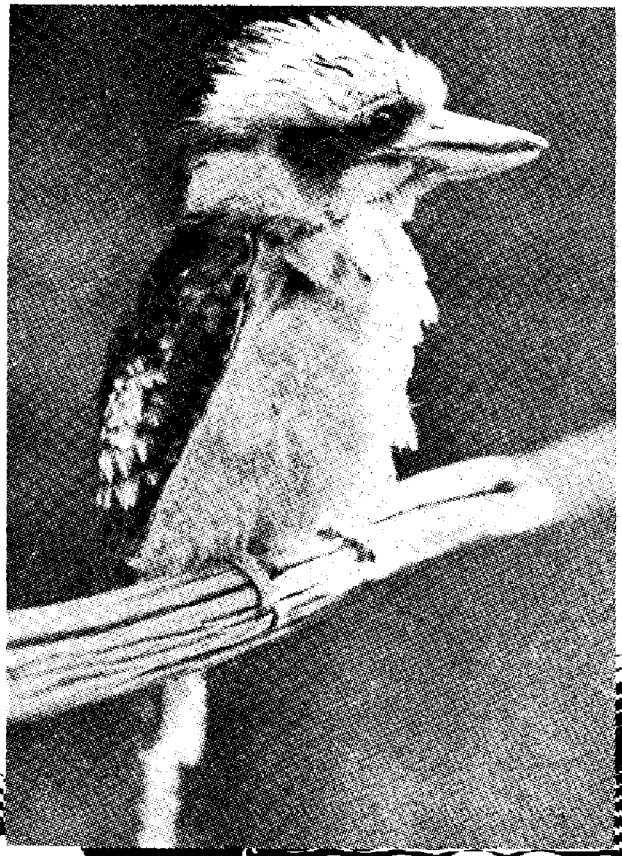
Stations:
Bangkok HS8PD 6000 kc/s 50 m 2,5 kW

Daily Programmes in *English* from 10.00-11.30:
10.15 News
10.25 Music
10.45 Talk (Tuesd., Thursd., Sat.)
10.45 Press Review (Mond., Wedn., Fri.)
10.45 Passing Week (Sun.)
10.50 Music
11.15 News
11.25 Music

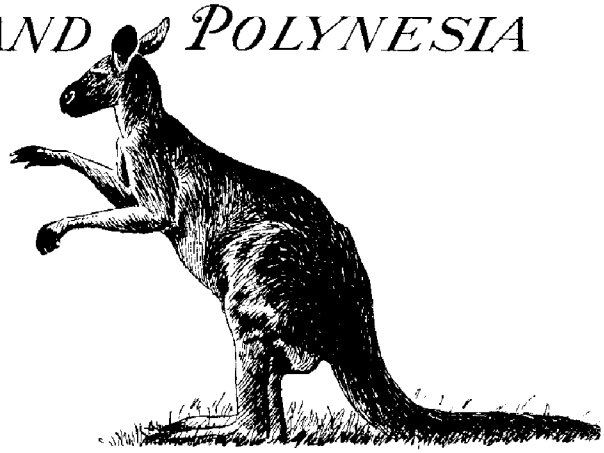
Announcements: "This is the Overseas Broadcasting Station of Siam".

Opening Announcement: National song and three chimes.

Message to Listeners: "We ask all shortwave listeners to send us reports, which always will be verified".



AUSTRALIA AND POLYNESIA



HONOLULU

RABAUL

PORT MORESBY

Tahiti

PAPE

Fiji

SUVA

BRISBANE

PERTH

SHEPPARTON

LYNDHURST

MELBOURNE

WELLINGTON

N

KRAUSE

Radio Australias Udsendelser indledes med Kookaburra Fuglens Latter — i Australien almindeligt kaldet the "Laughing Jackass". Ovenstaaende Foto viser Kookaburra Fuglen.

AUSTRALIA

AUSTRALIA

Eastern States (Call-signs VLR, VLH and VLQ). Normal Clock Time — G. M. T. plus 10 hours.
South Australia. Normal Clock Time — G. M. T. plus 9½ hours.
Western Australia (Call-sign VLW). Normal Clock Time — G. M. T. plus 8 hours.

A. B. C. AUSTRALIAN BROADCASTING COMMISION

Address: Australian Broadcasting Commision, Head Office, 264 Pitt Street, Sydney.
Correspondence should be addressed to the A.B.C., at the Capital city in which stations are situated.

Leading Personalities: Chairman: Mr. R. J. F. Boyer. Vice-Chairman: J. D. G. Medley. General Manager: Mr. C. G. A. Moses. Assistant General Manager: Mr. A. N. Finlay. Controller of Programmes: Mr. K. L. Barry. Controller of Administration: Mr. A. L. Holman.

Stations: Melbourne, VLR, 2 kW

VLR	9540 kc/s	31.45 m
VLR2	6150 kc/s	48.78 m

Lyndhurst, VLH, 10 kW

VLH3	9580 kc/s	31.32 m
VLH4	11880 kc/s	25.25 m
VLH5	15230 kc/s	19.69 m

Perth, VLW, 2 kW

VLW3	11830 kc/s	25.36 m
VLW7	9520 kc/s	31.52 m

Brisbane, VLQ, 10 kW

VLQ3	9660 kc/s	31.06 m

Daily Programmes in *English.*
On 48.78 m from 20.00-22.15 and 08.45-24.00
On 31.45 m from 22.30-08.30
On 25.25 m from 20.00-23.00
On 19.69 m from 23.15-08.15
On 31.32 m from 08.27-14.00
On 31.06 m from 20.00-14.00
On 31.52 m from 22.00-01.45 and 10.30-16.00
On 25.36 m from 00.30-08.00

Highlights of Programmes:
Breakfast Session and Hospital Halfhour: Weekdays from 21.15-21.45 on 31.06 m.
Kindergarten of the Air: Weekdays from 23.30-23.55 on 31.25 and 31.06 m.
News Commentary: Daily at 09.15 on 48.78 m.
Variety: Weekdays from 09.15-09.45 on 31.32 m and 31.06 m from Tu. to Sat.
News Review: Weekdays from 09.45-10.00 on 31.32 m and 31.06 m Tu. to Sat.
Australian Walkabout: Thursdays from 11.15-12.00 on 31.06 and 31.32 m.
Music Lovers' Hour: Sundays from 06.15-07.15 on 31.25 and 31.06 m.
Guest of Honour: Sundays at 09.15 on 31.32 and 31.06 m.

Announcement: "This is the Australian National Programme", "This is the Victorian, New South Wales or Queensland Interstate Programme."

Interval-Signal: Chimes.

Message to Listeners: "The Australian Broadcasting Commission greets its listeners and invites reception reports from them".

RADIO AUSTRALIA

Address: "Radio Australia", Box 780 H. G. P. O., 475 Collins Street, Melbourne C. 1.

Leading Personalities: Director General: Mr. E. G. Bonney — Director: Mr. T. P. Hoey. Programme Manager: Mr. Robin Wood. — Editor: Mr. Hugh Buggy. — Chief Engineer: Mr. R. V. Mc-Kay. — Superintending Engineer: Mr. N. V. Hayes.

Stations: Shepparton, VLA, 100 kW

VLA	7280 kc/s	41.21 m
VLA2	9615 kc/s	31.20 m
VLA3	9680 kc/s	30.99 m
VLA4	11770 kc/s	25.49 m
VLA5	15320 kc/s	19.59 m
VLA6	15200 kc/s	19.74 m
VLA7	17800 kc/s	16.85 m
VLA8	11760 kc/s	25.51 m
VLA9	21600 kc/s	13.89 m
VLA10	17840 kc/s	16.82 m

Shepparton, VLB, 100 kW

VLB	9540 kc/s	31.45 m
VLB2	9680 kc/s	30.99 m
VLB3	11770 kc/s	25.49 m
VLB4	11810 kc/s	25.40 m
VLB5	21540 kc/s	13.93 m
VLB6	15200 kc/s	19.74 m
VLB7	17800 kc/s	16.85 m
VLB8	21600 kc/s	13.89 m
VLB9	9615 kc/s	31.20 m
VLB10	11740 kc/s	25.55 m

Shepparton, VLC, 50 kW

VLC	15200 kc/s	19.74 m
VLC2	9680 kc/s	30.99 m
VLC3	11870 kc/s	25.27 m
VLC4	15320 kc/s	19.59 m
VLC5	9540 kc/s	31.45 m
VLC6	9615 kc/s	31.20 m
VLC7	11840 kc/s	25.35 m
VLC8	7280 kc/s	41.21 m
VLC9	17840 kc/s	16.82 m
VLC10	21680 kc/s	13.84 m
VLC11	15210 kc/s	19.72 m

Lyndhurst, VLG, 10 kW

VLG	9580 kc/s	31.32 m
VLG2	9540 kc/s	31.45 m
VLG3	11710 kc/s	25.62 m
VLG4	11840 kc/s	25.35 m
VLG5	11880 kc/s	25.25 m
VLG6	15240 kc/s	19.69 m
VLG7	15160 kc/s	19.79 m
VLG8	9680 kc/s	30.99 m
VLG9	11900 kc/s	25.21 m
VLG10	11760 kc/s	25.51 m

DAILY PROGRAMMES IN ENGLISH

02.00-04.00 *To Pacific, Asia and Japan* on 13.93, 16.82, 19.69 and 19.74 m (Sat. Sun.)
02.15 Music. — 02.30 Mailbag (only Sun.)

03.00-04.00 *To Pacific, Asia and Japan* on 13.93, 16,82 and 19.69 m.
Daily: 03.00: News. 03.10 Music. 03.30: Music.

03.15-07.30 *Special Sports Transmission* to the Forces. (Saturdays) on 13.93 and 19.69 m.

04.30-05.45 *To America and South Africa* on 19.59, 25.35 and 16.69 m.

Daily:
04.31 Programme Preview
04.32 Music
04.45 Talk
05.00 Music
05.15 News
05.25 Music or Talk

Sundays:
04.45 "Australian Radio-reel"
05.25 "Australian DX-ers calling"

Mondays:
04.45 "Magazine of the week"

07.00-08.15 *To Europe and British Isles* on 19.74, 25.55 m and 16.82 m to 07.45 (not Saturdays)

Daily:
07.01 Programme Preview
07.02 Music
07.15 Talks
07.30 News
07.45 Music
08.00 Music or Talk
08.12 Tomorrow's Progr.

Sundays:
07.02 "The all Star Show"
07.45 "The Magazine of the Week"

Wednesdays:
07.15 "Australia and your Future"

08.30-12.00 *To Pacific, Asia and Japan* on 19.74 and 25.51 m from 08.55 on 25.55 m to 12.45 and on 19.59 m to 10.30 and from 11.30-12.45

Daily:
08.31 Music
09.00 News
09.10 Programme Preview
10.00 Music
11.00 News
11.09 Home News from London
11.15 Music
12.01 Programme Preview
12.02 Talk
12.15 Music or Talk
13.00 News
13.10 Music
13.30 Talk
13.35 Music
13.58 Tomorrow's Progr.

Sundays:
12.02 "Magazine of the week"
13.30 "This Week in Australia"

Mondays:
09.15 "Starlight"
12.15 "Radio Australia's Variety Bandbox"

Tuesdays:
13.50 "Current Topics"

Thursdays:
09.15 "The Swing Show"
10.30 "Radio Australia's Variety Bandbox"

Saturdays:
09.15 Show
12.02 "Australian Radioreel"
13.30 "Current Topics"

13.00-14.15 *To America and South Africa* on 31.45 and 25.35 m

Daily:
13.01 News
13.10 Music
13.40 Music
14.00 News, Music
14.11 Tomorrow's Progr.

Sundays:
13.30 "Magazine of the Week"

Saturdays:
13.45 "Australian Radioreel"

14.00-15.00 *To Europe and British Isles* on 25.51 and 25.35 m from 14.30, 19.74 m to 14.45.

Daily:
14.01 Programme Preview
14.02 Music or Talk
14.30 News
14.40 Music
14.45 Talk
14.57 Tomorrow's Progr.

Tuesdays:
14.15 "Australia and your Future"

Fridays:
14.45 "Australian Radioreel"

Saturdays:
14.02 "Australian DX-ers calling"
14.45 "Magazine of the Week"

15.00-16.15 *To America* on 25.51 and 31.20 m
15.15-16.15 *To South Africa* on 25.35 and 19.74 m

Daily:
15.01 Programme Preview
15.02 Music
15.30 News
15.45 Talk
16.00 Talk

Sundays:
15.45 "Australia Today"

Mondays:
16.00 "Canberra Report"

Fridays:
15.15 "Overseas Mailbag"
15.45 "Australian Radioreel"

Saturdays:
15.45 "Magazine of the Week"

20.00-21.30 *To Europe and British Isles* on 25.51, 19.72 and 31.20 m to 21.15

Daily:
20.00 Programme Preview
20.02 Music or song
20.15 Talk
20.30 News
20.40 Music (exc. Sat.)
21.00 Talk (exc. Sat.)
21.13 Tomorrow's Progr.
21.15 "Mike Connores at the Microphone"

Sundays:
21.00 "British Isles and Europe Mailbag"

Saturdays:
20.15 "Australian Radioreel"

21.30-23.15 *To Pacific, Asia and Japan* on 19.79 m
Daily: 22.00 Talk 22.45 News 23.00 Talk

21.45-23.15 *To America* on 16.85 and 13.84 m
22.00 Talk
22.15 Music
22.45 News
23.00 Talk

Sundays:
23.00 "Australian DX-ers calling"

22.00-23.15 *To Europe and British Isles* on 19.76 m (Sat. from 22.15)

Daily:
22.15 Music
22.45 News
22.55 Music
23.11 Tomorrow's Progr.

Sundays:
23.00 "Australian DX-er's calling"

DAILY PROGRAMMES IN FRENCH

06.00-06.45 *To France and Indo-China* on 16.82 m
To Tahiti on 19.69 m
06.02 News
06.15 Music
06.30 Talk
06.41 Programme Preview

07.45-08.45 *To New Caledonia* on 25.62 and 19.59 m (from 08.00)
07.47 Programme Preview
07.48 Music
08.00 News
08.15 Music
08.30 Talk
08.40 Programme Preview

DAILY PROGRAMMES IN SIAMESE

06.30-06.50 *To Siam on Wednesday* on 19.74 m
06.31 News in Siamese
06.46 Music

DAILY PROGRAMMES IN INDONESIAN

10.30-11.00 on 19.59 m
10.32 News
10.44 Talk, Music

DAILY PROGRAMMES IN DUTCH

11.00-11.30 on 19.59 m
11.00 News
11.10 Music
11.20 Talk
11.25 Music

Sundays:
11.20 "Dutch Mailbag Session"

Tuesdays:
11.20 "Magazine of the Week"

Announcement: "This is Radio Australia calling". "You are tuned to the Overseas Service from Australia". "This is Radio Australia transmitting in the Overseas Service".

Identification: Musical box rendition of "Waltzing Matilda" is played for five minutes preceeding transmissions. Transmissions commence with Clock Chimes and the laugh of the Kookaburra, commonly known in Australia as the "Laughing Jackass". Gongs are used as programme cues only. "Waltzing Matilda" in march tempo preceedes and concludes all News Bulletins. *Indonesian* transmissions open with "Waltzing Matilda" played on piano-accordeon with instrumental ensemble. *Siamese transmissions* open with "The Peoples Song" and conclude with Siamese National Anthem.

Message to Listeners: "Radio Australia welcomes letters from overseas listeners, likes to know the programme that interests you, also any suggestions or comments you may care to make."

HAWAII

Normal Clock Time — G. M. T. minus 10 hours.

Address: Armed Forces Service, A. P. O. 500, San Francisco, California.

Stations: *Honolulu, KRHO, 100 kW.*
15250 kc/s 19.67 m from 09.00-15.00
17800 kc/s 16.85 m from 07.45-08.45 and 01.30-07.00

Daily Programmes: Relay of U. S. A.-Programmes.
From 07.45-08.45 U. N. Programme to Orient (see U.S.A.)
From 09.00-15.00 Orient Programme (see U.S.A.)
From 01.30-07.00 A. F. R. S. Programme (see U.S.A.)

NEW CALEDONIA

Normal Clock Time — G. M. T. plus 11 hours.

Address: Radio Noumea, Service Information, Noumea.

Stations: Radio Noumea.
FK8AA 6208 kc/s 48.32 m 0,3 kW.

Daily Programmes in French from 00.00-01.30 and 07.00-10.00.

Announcement: "La Voix de France-Radio Noumea."

NEW ZEALAND

Normal Clock Time — G. M. T. plus 12 hours.

Address: New Zealand Broadcasting Service, 38 The Terrace, Wellington C. 1.

Leading Personalities: Director: James Shelley.

Stations: Wellington, 10 kW.
ZL1 6080 kc/s 49.34 m
ZL2 9540 kc/s 31.45 m
ZL3 11780 kc/s 25.47 m
ZL4 15280 kc/s 19.63 m

The National Broadcasting Service at Wellington, New Zealand is to commence shortwave broadcasts towards the end of this year. Experimental transmissions have already been carried out on two frequencies in 25 and 31 mtr. band.

PHILIPPINE ISLANDS

Normal Clock Time — G. M. T. plus 8 hours.

RADIO PHILIPPINES

Address: Philippine Broadcasting Corporation, Roces Building, Manila, Philippines.

Leading Personalities: General Manager: Norman Paige, Production Manager: Henry L. Miller, Chief Engineer: Gerino Pancito, News Editor: P. J. Rappaport.

Stations: Radio Philippines, Manila.
KZPI 9500 kc/s 31.58 m 0.25 kW
KZOK 9690 kc/s 30.96 m 0.25 kW

Daily Programmes for KZPI on *Weekdays* from 21.30-16.00 except from 16.00. Saturday to 16.00 Sunday.
Programmes almost entirely in English with a very small amount of Tagalog (the Philippine National Language) and Spanish.

21.30 Music
22.15 Voice of China
22.30 Music
23.00 World News
23.15 Music
00.00 World News
00.05 Dawn Patrol
01.00 World News (Sun.)
01.07 Classical Music (Weekd.)
01.55 World News (exc. Sun.)
02.05 Music
02.15 Hello from France (Mon.)
03.00 World News
03.05 Music
03.30 Stock Exchange
04.01 Music
04.30 World News
04.35 Music
05.15 Music
06.55 World News exc. Sun.
07.00 Manila Ballroom
08.00 Arlington Time Signal, News
08.07 Manila Ballroom
08.55 World News
09.30 Music
10.00 World News
10.05 Music
11.00 News
11.15-13.15 Music
13.55 World News
14.00-16.00 Music
16.00 Worlds News

Daily Programmes for KZOK: Twentyfour hours daily, except 16.00 Saturday to 21.30 Sunday.
Programmes almost entirely in Philippine National language, Tagalog, with little Spanish and English.

21.30 Music
22.00 News
22.15 Music
02.00 Here's Denny (Exc. Sun.)
04.01 Music
05.00 World News
05.05 Horoscope(exc. Sun)
05.15 Music
08.00 Classical Music (exc. Sun.)
09.00 Popular Music
11.00 Sports Parade
11.15 Music
12.00 Tagalog World News
12.15 Music
13.00 Spanish World News
13.15 Music
14.00 Classical Music
15.00 Popular Music

Announcement for KZPI: "This is the Philippine Broadcasting Corporation, Radio Philippines. Your station KZPI, Manila 800 on your dial".

Message to Listeners from KZPI: "All reports of reception of KZPI short wave broadcast will be verified. Special attention is called to the Pacific Jamboree heard from 16.00 to 22.00 Saturdays. This programme is designed particularly for the Pacific areas and for the world in general. It is the only Philippine short wave station on the air during these hours".

MANILA BROADCASTING

Address: Manila Broadcasting Company Inc., 7th Floor, Insular Building, Manila.

Leading Personalities: President: Bert Silén. Chief Engineer: Jose Guevarra.

Stations: Manila Luzow.
KZRH 9640 kc/s 31.12 m 1 kW

Daily Programmes from 22.00-16.00.
News at 22.15, 04.00, 04.45, 11.00, 12.30 and 14.00.

Announcement: "This is KZRH, the Voice of the Philippines".

Interval-Signal: NBC's 3 note musical chimes every 15 minutes and half hour.

Message to Listeners: "Greetings from the Philippines. Here we have the American System of broadcasting — completely free from censorship or undue regulation."

THE VOICE OF AMERICA

Address: United States Information Service, Manila.
Station: KZFM 11840 kc/s 25.34 m 50 kW
Daily Programmes from 09.00-15.05. Relay of U. S. A. Orient-Programmes.
09.00-11.00 and 14.00-15.00 In English to China (see USA)

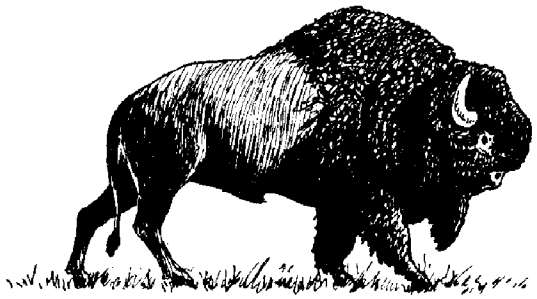
TAHITI

Normal Clock Time — G. M. T. minus 10 hours.
Address: Radio Club Oceania, Papeete.

Stations: Radio Club Oceania.
FO8AA 6980 kc/s 42.98 m 0,1 kW

Daily Programmes from 03.15-05.00 on Tuesdays and Fridays.

CANADA
AND THE UNITED STATES OF AMERICA



EDMONTON
CALGARY
WINNIPEG
VANCOUVER
QUEBEC
SACKVILLE
TORONTO
ST. JOHNS
SCHENECTADY
BOSTON
HALIFAX
BELMONT
SAN FRANCISCO
CINCINNATI
WAYNE
VERA CRUZ
BELICE
TEGUCIGALPA
MANAGUA

Lord Caresser, a popular radio star from Trinidad, who often takes part in Canada's broadcast to West India

CANADA

Altantic Zone — G. M. T. minus 4 hours.
Eastern Zone — G. M. T. minus 5 hours.
Central Zone — G. M. T. minus 6 hours.
Mountain Zone — G. M. T. minus 7 hours.
Pacific Zone — G. M. T. minus 8 hours.

Stations:

Sackwille	CHLA	21710 kc/s	13.82 m	50 kW
Sackville	CKRP	21600 kc/s	13.89 m	50 kW
Sackville	CKNC	17820 kc/s	16.84 m	50 kW
Sackville	CKCS	15320 kc/s	19.58 m	50 kW
Sackville	CKCX	15190 kc/s	19.75 m	50 kW
Sackville	CKLX	15090 kc/s	19.88 m	50 kW
Sackville	CKEX	11900 kc/s	25.21 m	50 kW
Sackville	CKRA	11760 kc/s	25.51 m	50 kW
Sackville	CHOL	11720 kc/s	25.60 m	50 kW
Sackville	CKXA	11705 kc/s	25.63 m	50 kW
Sackville	CHMD	9640 kc/s	31.12 m	50 kW
Sackville	CKLO	9630 kc/s	31.15 m	50 kW
Sackville	CHLS	9610 kc/s	31.22 m	50 kW
Sackville	CHAC	6160 kc/s	48.70 m	50 kW
Sackville	CKOB	6090 kc/s	49.26 m	50 kW
Sackville	CKRZ	6060 kc/s	49.50 m	50 kW
Montreal	CBLX	15090 kc/s	19.88 m	7,5 kW
Montreal	CBFW	6090 kc/s	49.25 m	0,2 kW
Calgary	CFVP	6030 kc/s	49.75 m	0,2 kW
Edmonton	VE9AJ	9540 kc/s	31.45 m	0,25 kW
Halifax	CHNX	6130 kc/s	48 94 m	0,5 kW
Sydney	CJCX	6010 kc/s	49.92 m	1 kW
Toronto	CFRX	6070 kc/s	49.42 m	1 kW
Vancouver	CBRX	6160 kc/s	48.70 m	0,15 kW
Vancouver	CKFX	6080 kc/s	49.32 m	0.01 kW
Winnipeg	CKRX	11720 kc/s	25.60 m	2 kW
Winnipeg	CKRO	6150 kc/s	48.78 m	2 kW

INTERNATIONAL SERVICE

Address: Canadian Broadcasting Corporation, International Service, P. O. Box 7.000, Montreal, Canada.

Leading Personalities: General Supervisor: Mr. Ira Dilworth. Supervisor European Section: Mr. Stuart W. Griffiths. Senior Engineer: Mr. Roy D. Cahoon.

Stations: Sackville, 50 kW.

European Service.

CKNC	17820 kc/s	16.84 m	Weekdays from 14.15-19.00 Sundays from 14.15-19.30
CKCX	15190 kc/s	19.75 m	Daily from 14.15-16.00
CKCS	15320 kc/s	19.58 m	Daily from 16.00-21.30
CHOL	11720 kc/s	25.60 m	Weekdays from 19.15-23.00 Sundays from 20.00-23.00
CKLO	9630 kc/s	31.15 m	Daily from 21.45-23.00

Caribbean Service.

CKCX	15190 kc/s	19.75 m	Daily from 23.20-00.35
CKRA	11760 kc/s	25.51 m	Daily from 23.20-00.35

Latin American Service.

CKCX	15190 kc/s	19.75 m	Daily from 00.35-02.00
CKCX	15190 kc/s	19.75 m	Mondays from 00.30-01.00

Australian Service.

CHOL	11720 kc/s	25.60 m	Sunday from 08.45-10.00
CHLS	9610 kc/s	31.22 m	Sunday from 08.45-10.00

Daily Programmes to Great Britain and Europe.

Weekdays:

16.84 m and 19.75 m from 14.15—16.00.

14.15-14.30 Opening Announcements.
14.30-16.00 Commentaries from U. N.

16.84 m and 19.58 m from 16.00-19.00.

16.00-16.30 Programmes for Europe.
16.30-16.45 Voor de Nederlandse jeugd (Mon. and Wedn.)
16.30-16.45 Hier spricht Kanada (Tuesd. and Frid.)
16.30-16.45 Kanada volá Ceskoslov. (Thursd. and Sat.)
16.45-17.00 Programme Preview and News.
17.00-17.30 Various.
17.30-17.45 Canadian Chronicle.
17.45-18.00 Nations Unies.
18.00-18.30 La Voix du Canada.
18.30-19.00 Canada Roept Nederland.

19.58 m from 19.00-19.15

19.00-19.15 Kanada till Sverige

19.58 m and 25.60 m from 19.20-21.30

19.20-19.40 Hallo Norge (Mon.: Studenterparade, Tuesd. Kvinnestemmen og Brevkassa, Wedn.: Repetisjon av søndagsprogrammet, Thursd.: Värprofeten og Ditt og datt, Fri.: Ukenytt, Sat.: Repetisjon av mandagsprogrammet)
19.40-20.00 Hallo Danmark (Mon.: Nyheder og Lytterbrevkasse, Tuesd.: Foredrag og Musik, Wedn.: Nyheder og Lytterbrevkasse, Thursd.: Foredrag og Musik, Fri.: Musikprogram, Sat.: Foredrag og Musik)
20.00-20.30 Kanada volá Ceskoslov.
20.30-21.00 Hier spricht Kanada
21.00-21.30 La Voix du Canada

25.60 m from 21.30-21.45

21.30-21.45 Programme Preview

31.15 m and 25.60 m from 21.45-23.00

21.45-22.00 News
22.00-22.15 Canadian Chronicle (exc. Sat.: Folk Songs)
22.15-23.00 Various

Sundays:

16.84 m and 19.75 m from 14.15-16.00

14.15-14.30 Opening Announcements
14.30 14.45 Women in the New World
14.45-15.00 The Lively Arts
15.00-15.15 Folk Songs
15.15-15.50 Kanada till Sverige
15.50-16.10 Hallo Norge: Intervjuer. Lytternes Ønskeprg.
16.10-16.30 Hallo Danmark: Foredrag og Musik

16.84 m and 19.58 m from 16.00-19.45

16.30-16.45 Symphonette
16.45-17.00 News and Commentary
17.00-17.15 Young Ideas
17.15-17.30 Actualités Canadiennes
17.30-18.00 Variétés Françaises
18.00-18.30 La Voix du Canada
18.30 1900 Canada Roept Nederland
19.00-19.15 Music for the Moment
19.15-19.45 Canada to Britain

19.58 m from 19.45-20.00

19.45-20.00 Cross Section

19.58 m and 25.60 m from 20.00-21.30
20.00-20.30 Kanada volá Ceskoslov
20.30-21.00 Hier spricht Kanada
21.00-21.30 La Voix du Canada

25.60 m from 21.30-21.45
21.30-21.45 Programme Preview

25.60 m and 31.15 m from 21.45-23.00
21.45-22.00 News and Canadian Commentary
22.00-22.15 Symphonette
22.15-22.30 The Lively Arts
22.30-23.00 Canada to Britain

Daily Programmes to Latin America and Caribbean:
23.20-00.35 on 19.75 and 25.51 m Caribbean Programme in English.
00.30-01.00 on 19.75 m Portuguese Programme only Mondays.
00.35-02.00 on 19.75 m English Programme.

Weekly Programmes to Australia and New Zealand.
Sundays: 25.60 m and 36.22 m from 08.45-10.00.

Interval-Signal: The first four notes of "O Canada".

Message to Listeners: "Greetings to our listeners in all countries: Please write to tell us how you receive our programmes and what you think of them. Reception reports are welcome and will be verified with a special QSL card. A printed schedule with programme details and photographs of Canada are sent free of charge each month to all who write to us."

CANADIAN BROADCASTING CORP.

Address: Canadian Broadcasting Corporation, 1231 St. Catherine Street, West Montreal, Quebec (Eastern Zone). Canadian Broadcasting Corporation Vancouver British Columbia (Pacific Zone).

Leading Personalities: General Manager: Dr. Augustus Frigon.

Stations:

Montreal	CBFW	6090 kc/s	49.25 m	0,2 kW
Vancouver	CBRX	6160 kc/s	48.70 m	0,15 kW
Montreal	CBLX	15090 kc/s	19.88 m	7,5 kW

Daily Programmes for Montreal:
On 19.88 m *English* from 12.00-17.00; French from 17.00-05.00.
On 49.25 m *French* from 12.00-05.00.

Daily Programmes for Vancouver from 16.00-08.00.
News at 16.00, 12.00, 23.45 (BBC news), 03.00, 06.00, 07.55.

CFCX — CANADIAN MARCONI COMPANY

Address: Canadian Marconi Company, 1231 St. Catherine Street St. West (P. O. Box 1690) Montreal 25 (Eastern Zone).

Daily Programmes from 12.00-06.00.

CFVP — VOICE OF THE PRAIRIES

Address: Voice of the Prairies Ltd. Toronto General Trusts Bldg. Calgary, Alberta. (Mountain Zone).
Daily Programmes from 13.30-07.00 Relay CFAC.

CHNX — THE MARITIME BROADCASTING CO.

Address: The Maritime Broadcasting Co., Broadcasting House, 10 Tobin Street, Halifax, Nova Scotia (Atlantic Zone).

Daily Programmes on *Weekdays* from 10.30-03.15. *Sundays* from 12.00-03.15.

CKFX — VANCOUVER BROADCASTING

Address: Vancouvers Broadcasting Stations CKWX, 545 Seymour Street, Vancouver — (Mountain Zone).

Daily Programmes from 14.30-08.05.

CFRX — THE ROGERS RADIO BROADCASTING CO.
Address: The Rogers Radio Broadcasting Co. Ltd., 37 Bloor Street West, Toronto, Ontario (Eastern Zone).

Daily Programmes from 11.00-05.35 Relay CFRB.

VE9AI — EDMONTON BROADCASTING
Address: Broadcasting Stations Edmonton, Birks Bldg., Edmonton Alberta (Mountain Zone).
Daily Programmes from 13.15-07.00 Relay CJCA.

CKRX/CKRO — TRANSCANADA COMMUNICATIONS LTD.

Address: CKRC Transcanada Communications Ltd., Free Press Building, 300 Carlton Street, Winnipeg, Manitoba (Central Zone).

Daily Programmes: CKRX 16.00-22.00 and CKRO from 22.00-06.00 (Satur. 07.00) Relay CKRC.

NEW FOUNDLAND

Normal Clock Time — G. M. T. minus 3½ hours.

Address: Broadcasting Corporation of New Foundland. P. O. Box E 5372. St. Johns.

Leading Personalities: Manager: Mr. W. F. Galgay. Chief Studio Controller: Mr. A. N. House.

Stations: St. Johns 0,3 kW

VONH	5970 kc/s	50.25 m	Relay VONF

Daily Programmes from 13.30-17.30, 21.30-03.00.

13.00 News from BBC	21.30 Progr. Preview
13.30 Progr. Preview	22.30 Reuter News
17.00 Reuter News	23.15 Local News
17.15 Local News	02.30 Local News

Announcement: Broadcasting commences with the "Ode to Newfoundland" and concludes with the National Anthem; and can be easily identified by the Station's identification announcements: "Here are Radio Stations VONF and VONH, the Broadcasting Corporation of New Foundland at St. Johns."

Message to Listeners: "Although we do not broadcast in any language other than English, nor transmit any programme for the benefit of the outside world, the Broadcasting Corporation of Newfoundland has already verified and sent its card to thousands of DX-Fans both in Europe and the North American and welcomes reports at all times."

UNITED STATES OF AMERICA

The voice of the U. S. A. broadcasts to the world in 23 languages. Daily average of broadcast to all areas in 32 hours. To Europe: 17 hours 15 minutes daily. To Latin America: 9 hours daily. To Far East: 6 hours daily. Government owned and controlled shortwave relay operations at Honolulu (KRHO), Manila (KZFM) and Munich. Other relays through arrangements with Domestic Broadcasting of other countries, such as BBC in Great Britain, France, Italy, China etc. Programme schedules of "The Voice of the U. S. A." are prepared in New York and mailed upon request to interested groups or individuals abroad. They can also be obtained through the local U. S. Information Office of every country.

All applications for monthly programmes, for further information on current programmes, radio reception reports and comments, should be sent direct to the "Voice of the U. S. A.".

Addresses of the main companies and organisations, are as follows:

The Voice of the United States of America, Office of Information and Educational Exchange International Broadcasting Division, U. S. Department of State, 224 West 57 Street, New York 19.

United Nations Network, Radio Liaison Office, United Nations, Lake Success, New York.

The Associated Broadcasting Inc., Mark Hopkins Hotel, San Francisco.

Columbia Broadcasting System Inc., 485 Madison Avenue, New York 22.

Crosley Corporation, 149 West 9th Street, Cincinnati.

General Electric Company, 1 River Road, Schenectady, New York.

National Broadcasting Corporation Inc., 30 Rockefeller Plaza, New York 20.

Westinghouse Radio Station Inc., 275 Tremont Street, Boston 16.

The World Wide Broadcasting Foundation, 133 Commenwealth Avenue, Boston 16.

Armed Forces Radio Service, A. P. O. 500, San Francisco.

STATIONS:

U. S. A.'s shortwave stations are divided into two main groups: *East Coast stations,* whose call signs begins with **W.** and in some cases, the letters following denote the company to which they belong. *West Coast stations,* whose call sign begins with the letter **K.** and whose following letters also denote the company to which they belong. There are one or more frequencies for each call sign, but each company changes the frequencies used for the different call letters; thus, for example, WCBN was for a time linked to a frequency of 6060 kc/s and then to 9650, 15270 and 17830 kc/s. This applies especially to the East Coast stations; the West Coast stations are more stable. In addition, there are some stations which only retransmit U. S. A.'s shortwave programmes, such as Munich and Honolulu (KRHO). The American shortwave stations use the call letters when announcing. The Department of State rent or hire the transmitters from the different companies concerned. NBC and CBS are preparing programs in English for the European area, for the Other American Republics and for the Far East. Many programs which have heretofore carried the Voice of the United States of America identification may now carry NBC or CBS identification.

The different companies have at their disposal the following call-signs and frequencies:

EAST-COAST STATIONS

Boston, 50 kW. — World Wide Broadcasting Foundation.
WRUA — WRUL — WRUS — WRUW

6040 kc/s	49.67 m	15250 kc/s	19.67 m
9550 kc/s	31.41 m	15290 kc/s	19.62 m
9700 kc/s	30.93 m	15350 kc/s	19.54 m
11730 kc/s	25.58 m	17750 kc/s	16.90 m
11790 kc/s	25.45 m	21460 kc/s	13.98 m
15130 kc/s	19.83 m	25600 kc/s	11.72 m

Boston, 50 kW. — Westinghouse Radio Station.
WBOS

6140 kc/s	48.86 m	15210 kc/s	19.72 m
9570 kc/s	31.35 m	17780 kc/s	16.87 m
11870 kc/s	25.27 m	21540 kc/s	13.93 m

Bound Brook, 50 kW. — National Broadcasting Corporation.
WNBI — WNRA — WNRE — WNRI — WNRX — WRCA

6100 kc/s	49.18 m	14560 kc/s	20.60 m
6190 kc/s	48.47 m	15150 kc/s	19.80 m
9670 kc/s	31.02 m	15190 kc/s	19.75 m
9750 kc/s	30.77 m	15280 kc/s	19.63 m
11790 kc/s	25.45 m	17780 kc/s	16.87 m
11890 kc/s	25.23 m	18160 kc/s	16.52 m
11893 kc/s	25.22 m	21610 kc/s	13.88 m
13050 kc/s	22.99 m	21630 kc/s	13.87 m

Brentwood, 50 kW. — Columbia Broadcasting System.
WCBN — WCBX — WCRC — WCDA (10 kW)

6060 kc/s	49.50 m	11830 kc/s	25.36 m
6120 kc/s	49.02 m	15267 kc/s	19.65 m
6170 kc/s	48.82 m	15270 kc/s	19.65 m
9490 kc/s	31.61 m	17830 kc/s	16.83 m
9590 kc/s	31.28 m	21520 kc/s	13.94 m
9655 kc/s	31.09 m	21570 kc/s	13.91 m

Wayne, 50 kW. — Columbia Broadcasting System.
WOOC — WOOW

6120 kc/s	49.02 m	11870 kc/s	25.27 m
6170 kc/s	48.62 m	15200 kc/s	19.74 m
9490 kc/s	31.61 m	15270 kc/s	19.65 m
9650 kc/s	31.09 m	17830 kc/s	16.83 m
11810 kc/s	25.40 m	21500 kc/s	13.95 m
11830 kc/s	25.36 m	21520 kc/s	13.94 m
		21570 kc/s	13.91 m

Cincinnati. — Crosley Corporation.
WLWK: 50 kW. — WLWR: 175 kW.
WLWL — WLWO — WLWS: 75 kW.

6080 kc/s	49.34 m	15230 kc/s	19.70 m
9590 kc/s	31.28 m	15250 kc/s	19.67 m
9700 kc/s	30.93 m	15350 kc/s	19.54 m
11710 kc/s	25.62 m	17800 kc/s	16.85 m
11790 kc/s	25.45 m	17955 kc/s	16.71 m
15130 kc/s	19.83 m	18390 kc/s	16.31 m
15200 kc/s	19.74 m	21650 kc/s	13.86 m

Schenectady, 50 kW. — General Electric Company.
WGEA — WGEX: 50 kW. — WGEO: 100 kW.

6190 kc/s	48.47 m	11847 kc/s	25.33 m
7000 kc/s	42.86 m	15330 kc/s	19.57 m
9530 kc/s	31.48 m	21500 kc/s	13.95 m
9550 kc/s	31.41 m	21590 kc/s	13.90 m
11810 kc/s	25.40 m		

WEST-COAST STATIONS:

Belmont, 50 kW. — General Electric Company.
KGEI — KGEX.

6190 kc/s	48.47 m	11730 kc/s	25.58 m
7250 kc/s	41.38 m	15130 kc/s	19.83 m
9530 kc/s	31.48 m	15210 kc/s	19.72 m
9550 kc/s	31.41 m	15330 kc/s	19.57 m

Delano, — Columbia Broadcasting System.
KCBA and KCBF: 50 kW. — KCBR: 200 kW.

9700 kc/s	30.93 m	15240 kc/s	19.69 m
9750 kc/s	30.77 m	15330 kc/s	19.57 m
11770 kc/s	25.49 m	17850 kc/s	16.81 m
11810 kc/s	25.40 m		

Dixon, — National Broadcasting Corporation.
KNBA and KNBI: 50 kW. — KNBX: 100 kW.

9490 kc/s	31.61 m	15340 kc/s	19.56 m
9650 kc/s	31.09 m	17770 kc/s	16.88 m
11790 kc/s	25.45 m	21610 kc/s	13.88 m
15250 kc/s	19.67 m		

San Francisco, — Associated Broadcasting Inc.
KWID. 100 kW. — KWIX: 50 kW.

6060 kc/s	49.50 m	11900 kc/s	25.21 m
7230 kc/s	41.49 m	15290 kc/s	19.62 m
9570 kc/s	31.35 m	17760 kc/s	16.89 m
11870 kc/s	25.27 m	21610 kc/s	13.88 m
11890 kc/s	25.23 m		

RELAY-STATIONS:

Munich, 85 kW. — Germany.

7290 kc/s	41.15 m	11870 kc/s	25.27 m
9540 kc/s	31.45 m	15150 kc/s	19.80 m

Honolulu, 100 kW KRHO — Hawaii.

6120 kc/s	49.02 m	17800 kc/s	16.85 m
15250 kc/s	19.67 m		

DAILY PROGRAMMES TO EUROPE

16.00-17.00 German — English
17.00-17.15 French — Hungarian — English
17.15-17.30 French — Roumanian — English
17.30-18.00 French — Czechoslovak — English
18.00-18.30 German — Italian — Russian — English
18.30-19.00 Austrian — Italian — Russian — English
19.00-19.30 French — Yugoslav — English
19.30-19.45 French — Greek — English
19.45-20.00 French — Roumanian — English
20.00 20.30 French — Bulgarian — English
20.30-20.45 Polish — Italian — Yugoslav — English
20.45-21.00 Polish — Italian — Hungarian — English
21.00-21.15 Russian — Italian — Hungarian — English
21.15-21.30 Russian — Italian — Czechoslovak — English
21.30-22.00 Polish — Spanish — English
22.00-22.30 French
22.30-23.00 English

European Service under Languages:

Austrian from 18.30-19.00 in 19, 16 and 13 metre band.

18.30 Austrian half hour
18.45 America calling Austria (Relayed by BBC at 22.00-22.15)

Bulgarian from 20.00-20.30 in 19, 16 and 13 metre band and *in 31 and 25 meter band from 20.15.*

20.00 Report from America
20.15 America calling Bulgaria. (Also relayed by BBC)

Czechslovak *from 17.30-18.00 in 19-16-13 metre band* and *from 21.15-21.30 in 31-25-19-16-13 meter band.*

17.30 Report from America
21.15 America calling Czechoslovakia. (Also relayed by BBC)

English *from 16.00-19.00 in 19 and 16 metre band, 19.00-21.45 in 19-16-13 meter band and from 21.45-22.00 in 19 and 16 m. b. From 22.30-23.00 in 31, 25, 19, 16 and 13 m. b.*

16.00 NBC News
16.15 America calling Europe (Also relayed by BBC)
16.30 Music
17.00 CBS News
17.15 America speaks Sat. Symphony
17.30 CBS Talk
18.00 NBC News
18.15 NBC Music
18.30 Talk Sun. Our Foreign Policy
19.00 Armed Forces Radio Service. News and Variety
21.45 CBS Digest
22.30 Press Opinion
22.45 CBS News

French *from 17.00-18.00 in 19, 16 and 13 metre band from 19.00-20.30 in 19, 16 and 13 m. b.* and *from 22.00-22.30 in 25, 19, 16 and 13 metre band*

17.00 NBC News
17.15 NBC Feature
17..30 America calling France "A Vos Ordre" (Relayed by BBC)
19.00 "Ce soir en France" (From Radiodiffusion Francaise)
19.30 This is the U. S. A.
20 00 CBS News
20.15 Commentary
22.00 America calling France (Also relayed by BBC)
22.15 NBC News to France

German *from 16.00-17.00 and 18.00-18.30 in 19, 16 and 13 meter band.*

16.00 German half hour
16.30 CBS News
16.45 CBS Variety
18.00 NBC News and Commentary
18.15 NBC Feature

Greek *from 19.30-19.45 in 19, 16 and 13 meter band.*
19.30 News, America calling Greece (Also relayed by BBC)

Hungarian *from 17.00-17.15 in 19, 16 and 13 meter band. from 20.45-21.15 in 31, 25, 19, 16 and 13 meter band.*

17.00 News and Commentary
20.45 America calling Hungary. (Also relayed by BBC)
21.00 Report from America

Italian *from 18.00-19.00 in 19, 16 and 13 metre band and from 20.30-21.30 in 19, 16 and 13 m. b.*

18.00 CBS News
18.15 Talks
18.30 CBS Music and Variety
18.45 CBS Commentary
20.45 NBC Press Review
21.00 Chronicles of America (Mon., Wedn., Fri.)
Request Show (Tuesd., Thursd., Sat., Sun.)
21.15 NBC News

Polish *from 20.30-21.00 and 21.30-22.00 in 31, 25, 19, 16 and 13 meter band.*

20.30 News
20.45 Commentary
21.30 News
21.45 Feature

Roumanian *from 17.15-17.30 and 19.45-20.00 in 19, 16 and 13 meter band.*

17.15 America calling Roumania. (Also relayed by BBC)
19.45 Roumanian Quarter Hour

Russian *from 18.00-19.00 in 19, 16 and 13 meter band and from 21.00-21.30 in 31, 25, 19, 16 and 13 meter band.*

18.00 Russian Hour
21.00 Russian Half Hour (Relayed by Munich)

Spanish *from 21.30-22.00 in 25, 19 and 16 meter band.*
21.30 Spanish Half Hour

Yugoslav *from 19.00-19.30 in 19, 16 and 13 meter band and from 20.30-20.45 in 31, 25, 19 and 13 meter band.*

19.00 Report from America
20.30 America calling Yugoslavia. (Also relayed by BBC)

Daily Programmes from Station WRUL (World Wide Foundation, Boston).

From 1830 to 19.00 in 11 meter band: United Nations report to South Africa (except Sundays).
From 19.00 to 19.30 in 19 and 16 meter band: United Nations report in Dutch, Finnish and French.
From 19.30 to 22.25 in 25, 19 and 16 meter band: Programme in English, Dutch, French and Norwegian (U.N. News, Newsreel, Features, Business Bulletins).
From 22.25 to 23.00 in 31, 25 and 19 meter band: News, Business Bulletins.
From 02.00 to 03.00 in 31, 25 and 19 meter band: U. N. Programs in Spanish.

DAILY PROGRAMMES TO ORIENT

From 09.00-15.00 in 31, 25 and 19 meter band.

In English from 09.00-11.00 and 14.00-15.00:

09.00 News and Programme Preview
09.15 Commentary
09.30 Music
10.00 News, Press Review
10.15 Feature
10.30 Documentary
14.00 News, Feature, Reports etc.
14.55 News

In other languages:

11.00-12.00 Chinese
12.00-12.15 Malay
12.15-12.30 Dutch
12.30-13.00 Korean
13.00-13.15 French
13.15-13.30 Annamese
13.30-1400 Siamese

DAILY PROGRAMMES TO LATIN AMERICA

In English from 01.00-03.00 in 31, 25, 19 and 16 m. b.

01.00 News, Programme Preview
01.05 Commentary
01.15 Commentator's Digest Radio Forum (Sat.)
01.30 Music (U. N. Review Sat.)
02.00 News
02.15 Documentary
02.45 Press Opinion in USA
02.55 News

In Spanish from 00.00-05.00 in 31, 25, 19, 16 and 13 m. b.

00.00 CBS News
00.10 CBS Commentary
00.15 CBS Music
00.45 CBS Feature Progr.
01.00 NBC News & Commentary
01.15 NBC Music
01.30 NBC Feature Progr.
02.00 CBS News
02.15 CBS Music
02.45 CBS Feature Progr.
03.00 NBC News & Feature
03.30 NBC Music
04.00 CBS News
04.15 CBS Feature Progr.
04.30 NBC Music

In Portuguese from 01.00-03.00 in 31, 25, 19 and 16 m. b.

01.00 NBC News
01.10 NBC Editorials of the day
01.15 NBC Music
01.30 NBC Symphony
02.00 News
02.10 CBS Commentary
02.15 CBS Music
02.45 Talk
02.55 CBS News

DAILY PROGRAMMES FROM THE UNITED NATIONS

To Europe:

Weekdays from 14.00-23.00 in 25, 19, 16 and 13 m. b.
15.00-18.00 Direct broadcast of meetings with running narration in different languages.
From 16.25-17.00 in Danish, French and Swedish
18.00-18.30 Reports on the U. N. by accredited Radio correspondents
18.30-19.00 News and Programme in French
19.00-21.00 As from 15.00-18.00
21.00-21.15 News in English
21.15-21.30 News in English (dictation speed)
21.30-22.00 News and Programme in French

To the Orient

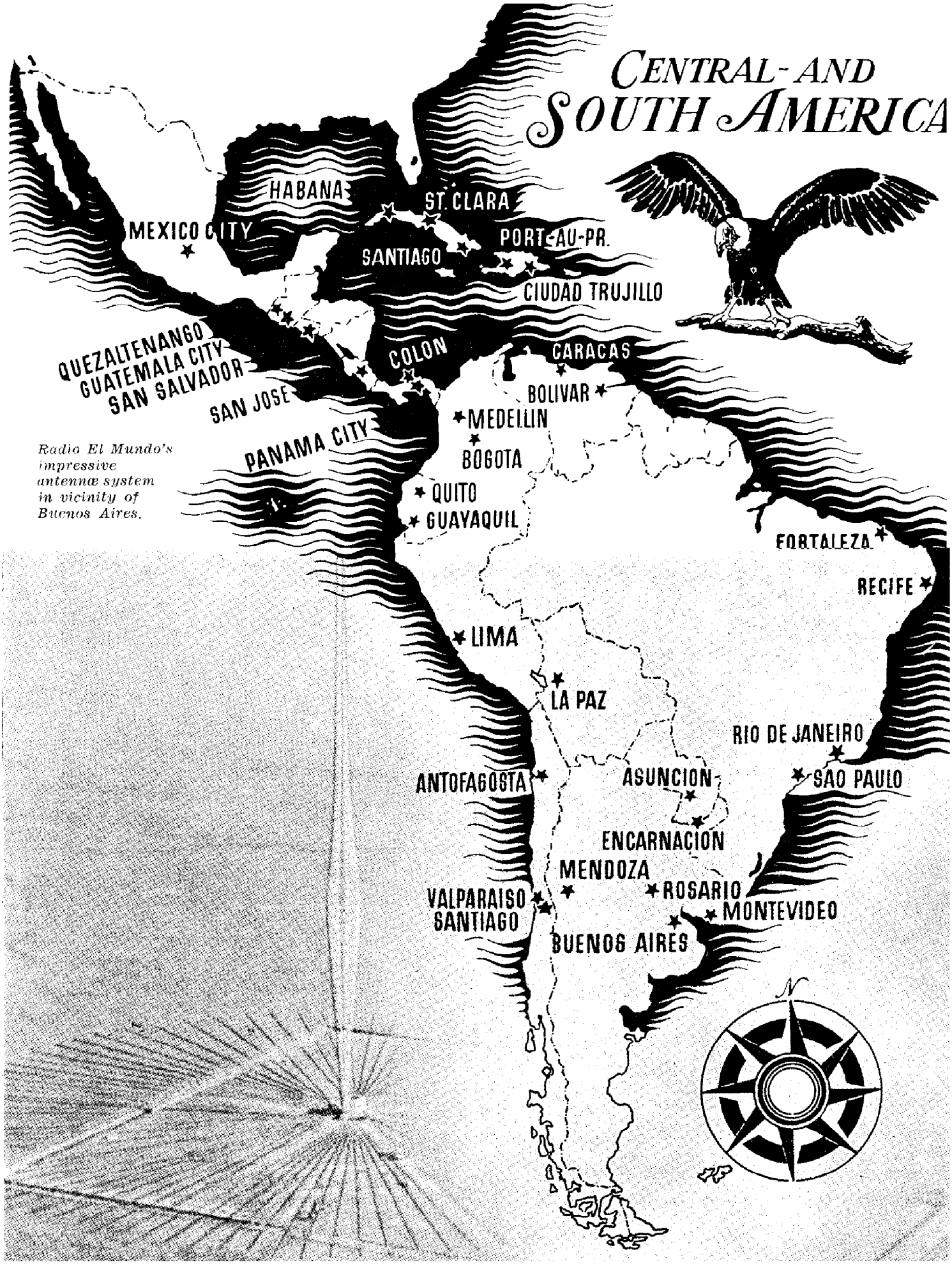
From 07.45-08-45 in 31, 19 and 16 m. b.
07.45-08.00 News in English
08.00-08.15 United Nation Radio Review in English
08.15-08.30 News in Chinese
08.30-08.35 A dispatch by an accredited Radio correspondent
08.30-08.45 News in Spanish

To Latin America

From 23.00-24.00 and 02.00-03.00 in 31, 25, 19 and 16 m. b.
23.00 News in Spanish
2315 Interviews or Talks
23.30 The Day's Debates (Mond., Thursd.)
23.45 Aims of the U. N. (Frid.: Brazilian Progr.)
02.00 Spanish Programme

ARMED FORCES RADIO SERVICE. To Far East and Pacific.

From 22.00-14.00 in 31, 25, 19, 16 and 13 m. b.



Radio El Mundo's impressive antennæ system in vicinity of Buenos Aires.

CENTRALAMERIKA

BAHAMA ISLANDS

Normal Clock Time — G. M. T. minus 5 hours.

Address: Telecommunications Department, P. O. Box 48, Nassau.

Leading Personalities: Secretary of Broadcasting Mr. H. R. Bethel.

Stations: Nassau ZNSZ 6090 kc/s 49.26 m 0,6 kW

Daily Programmes from 14.30-15.15 and 23.30-03.00.

Most programmes are recordings from BBC programmes, but there are occasionally good "live" programmes, supplied by artists in Nasau.

Announcement: "This is the Station ZNS, Nassau, Bahama." Opens with "King George's" March and closes down with "God save the King".

COSTA RICA

Normal Clock Time — G. M. T. minus 6 hours.

Stations:

TIGPH	5875 kc/s	51.06 m	1 kW
TIWS	6065 kc/s	49.46 m	0,5 kW
TIRH	6150 kc/s	48.78 m	0,25 kW
TILS	6165 kc/s	48.66 m	1 kW
TIRCC	6180 kc/s	48.54 m	0,3 kW
TIEP	6700 kc/s	44.78 m	1 kW
TIPG	9615 kc/s	31.20 m	3 kW
TIRNH	9692 kc/s	30.95 m	0,75 kW

TILS: RADIODIFUSORA PARA TI.
Address: Radiodifusora *Para Ti,* San José.

Leading Personalities: Owner and General Manager. Mr. Luis Saenz Mata.

Daily Programmes in *Spanish* from 16.00-04.30.

17.00 News
17.30 Astrological Predictions
19.00 For Women
21.00 News
23.00 News by British Legation
00.15 The Hour of France
02.00 News
02.30 "Don Fortuna"

Announcement: "TILS Radio Para Ti en San José de Costa Rica en la America Central".

TIGPH: ALMA TICA SAN JOSÉ

TIWS: ECOES DEL PACIFICO PUNTARENAS

TIRH: RADIO EL MUNDO SAN JOSÉ
Daily Programmes in *Spanish* from 02.30-05.00.

TIRCC: RADIO ACCION CATALOCIA SAN JOSÉ

TIEP: LA VOZ DEL TROPICO San JOSÉ

TIPG: LA VOZ DE LA VICTOR SAN JOSÉ
Daily Programmes from 12.00-05.00
Programmes consist entirely of talks, records and news.

TINRH: LA VOZ DEL COSTA RICA, HEREDIA

CUBA

Normal Clock Time — G. M. T. minus 5 hours.

Stations:

COX-7	4290 kc/s	69.63 m	5 kW inactive
COCO	6010 kc/s	49.92 m	5 kW inactive
COCO	8700 kc/s	34.48 m	5 kW
COBF	6040 kc/s	49.67 m	1 kW
COCD	6130 kc/s	48.94 m	1 kW
COCW	6327 kc/s	47.43 m	1 kW
COHJ	6450 kc/s	46.51 m	5 kW
COJK	8663 kc/s	34.62 m	1 kW
COCQ	8825 kc/s	33.92 m	5 kW
COKG	8960 kc/s	33.48 m	1,2 kW
COBZ	9026 kc/s	33.24 m	1 kW
COBQ	9235 kc/s	32.49 m	1 kW
COCX	9273 kc/s	32.33 m	1 kW
COBC	9362 kc/s	32.04 m	1 kW
COCH	9437 kc/s	31.80 m	5 kW
COX	9640 kc/s	31.12 m	5 kW inactive
COBL	9833 kc/s	31.51 m	1 kW
COCY	11740 kc/s	25.48 m	5 kW
COBH	11800 kc/s	25.42 m	5 kW

COCQ — CIRCUITO CMQ

Address: Circuito CMQ, S. A., Radiocentro, Havana.

Leading Personalities: Board of Directors: Goar Mestre, Angel Cambó, Abel Mestre and Luis Augusto Mestre. General Manager: Goar Mestre. Chief Engineer: Ventura Montes. Sales Manager: Arturo Chabau.

Daily Programmes in *Spanish* from 11.30-05.30.

News at 11.45, 12.45, 16.55, 18.25, 22.45, 01.55, 03.24 and 04.10.

Soloists and Variety: Daily from 15.30-15.55 and Saturdays at 03 00.
Cabaret: Sundays at 18.00.
Topical: Sundays at 19.00.
Folk Songs: Weekdays at 20.30.
Dance Music: Sundays at 21.30 and 04.00.
Theatre: Sundays at 02.30 and Tuesdays at 03.00.

Announcement: "CMQ Habana." Announcements are made between all programmes approximately every 15 minutes.

Interval-Signal: Two bells before saying CMQ Habana.

Message to Listeners: "We ask all shortwave listeners all over the world to send us reports, which will be verified."

COCO — RADIO AMERICA

Address: Radio America S. A., Compania Radiodifusora, San Miguel 314, Havana.

Daily Programmes in *Spanish* from 13.00-06.00.

COCH — RADIO O'SHEA

Address: Radio O'SHEA, Havana.
Daily Programmes in *Spanish* from 11.00-06.00.

COCY/COHJ — RHC CADENA AZUL

Address: RHC — Cadena Azul, Apartado 770, Havana.
Leading Personalities: President and General Manager: Mr. Amado Trinidad Velasco.
Daily Programmes in *Spanish* from 11.30-06.00.

Announcement: Call letters of the network are broadcast every half hour and the name: "RHC-Cadena Azul."

COBF — RADIO UNIVERSAL
Address: Radio Universal S. A., Prado 159, Havana.

COCD — LA VOZ DEL AIRE
Address: La Voz del Aire, Hotel Palace, Vedado, Havana.

COCW — ONDAS DEPORTIVAS
Address: Ondas Deportivas, San Miguel 314, Havana.

COBZ — RADIO SALAS
Address: Radio Salas, San Rafael 108, Havana.

COBC — RADIO PROGRESSO
Address: Radio Progresso, San José 104, Havana.

COBL — RADIO CADENA SUARITOS
Address: Radio Cadena Suaritos, 25 num. 1113, Havana.

COCX — RADIO MIL DIEZ
Address: Radio Mil Diez, Reina 314, Havana.
Lading Personalities: Director: Mr. Ibrahim Urbino. Administrator: Mr. Jaime Gonzales.

COBQ — LA VOZ DE CUBA
Address: La Voz de Cuba, Compania Radiodifusora de Publicidad, Vista Alegre 269, Havana.
Daily Programmes in *Spanish* from 14.00-17.00 and 01.00-03.00.

COJK — CAMAGUEY
Address: Camaguey, Finlay 4, Havana.

COBH — RADIO CADENA HABANA
Address: Radio Cadena Habana, Belascoain y S. José.

CURACAO

Normal Clock Time — G. M. T. minus 4½ hours.

Address: Zender "Curom", Princes Juliana, Curacaosche Radio Vereeniging, P. O. Box 31, Willemstad, Curacao.

Leading Personalities: President: Mr. F. Visser. Manager: Mr. W. P. G. Stokla.

Stations: Willemstad P. C. J. 2 7250 kc/s 41.38 m 3 kW

Daily Programmes in *Dutch:*
Weekdays from 16.30-17.30 and 23.00-02.30 (Sat. 23.00-00.30)
Sundays from 13.30-17.30 and 23.00-02.30

16.30 Programme-Preview	00.30 News
17.00 News	01.10 Records

Announcement: "Hier is de "Corom", de Princes Juliana Zender te Willemstad op Curacao Nederlandsch West Indie".

Message to Listeners: "Requests for your favourite records are played every Saturday-night from 01.15-02.00".

REP. DOMINICANA

Normal Clock Time — G. M. T. minus 5 hours.

Stations:

HI-1J	6025 kc/s	49.79 m	0,1 kW
HI-1G	6124 kc/s	48.99 m	0,1 kW
HI-1R	6140 kc/s	48.86 m	0.2 kW
HI-9T	6170 kc/s	48.62 m	0,1 kW
HI-1A	6182 kc/s	48.53 m	0,075 kW
HIL	6187 kc/s	48.48 m	0,060 kW
HI-1N	6246 kc/s	48.04 m	0,7 kW
HI-1Z	6312 kc/s	47.52 m	0,2 kW
HI-1X	6350 kc/s	47.24 m	1 kW
HI-9B	6383 kc/s	47.00 m	0,2 kW
HI-1R	6420 kc/s	46.73 m	0,2 kW
HI-2T	6480 kc/s	46.30 m	0,2 kW
HIT	6630 kc/s	45.25 m	0.1 kW
HI-3C	6660 kc/s	45.05 m	0,03 kW
HIT	7200 kc/s	41.67 m	0,1 kW
HI-9U	7205 kc/s	41.64 m	0,1 kW
HI-2A	7215 kc/s	41.58 m	0,25 kW
HI-8Z	7225 kc/s	41.52 m	0,2 kW
HI-2G	9290 kc/s	32.29 m	0,1 kW
HI-3X	11850 kc/s	25.32 m	0,25 kW

HI1Z — BROADCASTING NATIONAL
Address: Broadcasting Nacional, Ciudad Trujillo.
Daily Programmes in *Spanish* from 12.00-22.00.
Announcement: "Broadcasting Nacional HIZ y HI1Z en Ciudad Trujillo capital de la Republica Dominicana una nacions unidas." Frequent reference is made to the "Naciones Unidas".

HI1X-, HI3X — RADIODIFUSORA OFFICIAL
Address: Radiodifusora Official, Direccion General de Communicaciones, Ciudad Trujillo.
Daily Programmes in *Spanish* from 17.00-23.30.

HI1N — LA VOZ DEL PARTIDO DOMINICANA
Address: La Voz del Partido Dominicana, Ciudad Trujillo.
Daily Programmes in *Spanish* from 15.30-21.30.

HI1J — LA VOZ DE LA HISPANOLA, SAN PEDRO DE MACORIS
Owner: Mr. Fausto M. Donastorg.
Daily Programmes in *Spanish* from 15.00-24.00.

HI1G-, HI2G — ANDRES CORDERO PUELLO CIUDAD TRUJILLO
Daily Programmes in *Spanish* from 12.30-22.00 on *48.99 m* and 16.30-22.00 on 32.29 m.

HI1R — LA VOZ DE FUNDACION, SAN CHRISTOBAL
Daily Programmes in *Spanish* from 16.30-21.00.
Announcement: "Broadcasting Nacional HI1R — La VoZ de Fundacion en San Christobal."

HI9T-, HI9U — BROADCASTING TROPICAL, PUERTO PLATA
Owner: Mr. Louis A. Pelegrin.
Daily Programmes in *Spanish* from 17.00-22.00.

HI1A — LA VOZ DEL YAQUE, SANTIAGO
Owner: Mr. Rafael Western.
Daily Programmes in *Spanish* from 13.00-16.00, 21.00-01.00.

HIL — JOAQUIN C. PELLICER, CIUDAD TRUJILLO
Daily Programmes in *Spanish* from 14.00-21.00.

HI9B — BROADCASTING HOTEL MERCEDES, CIUDAD TRUJILLO
Owner: Mr. Jacinto L. Saucher.
Daily Programmes in *Spanish* from 16.00-23.30.

HI2T — LA VOZ DEL YUNA, CIUDAD TRUJILLO
Owner: Mr. J. Arismendi Trujillo M.
Daily Programmes in *Spanish* from 14.00-05.00.

GUADELOUPE (French West Indies)

Normal Clock Time — G. M. T. minus 4 hours.
Address: Chef Service Information Directeur de la Radio, Palais d'Orleans, Basse-Terre, Guadeloupe.
Leading Personalities: Mr. Barrat Laurent.
Stations: Radio Guadeloupe.
FG8HA 7447 kc/s 40.29 m 0,1 kW
Daily Programmes in *French* from 16.30-17.50 and 23.00-00.30. News at 17.00 and 23.45. Music at 16.45, 23.00 and 24.00.
Announcement: "Ici Radio Guadeloupe".

GUATEMALA

Normal Clock Time — G. M. T. minus 6 hours.
Stations:

TGLA	6295 kc/s	47.66 m	0,2 kW
TGQA	6401 kc/s	46.85 m	0,3 kW
TGWB	6440 kc/s	46.50 m	1 kW
TGOA	6497 kc/s	46.19 m	0,2 kW
TG2	6620 kc/s	45.32 m	0,3 kW
TGWA	9760 kc/s	30.74 m	10 kW
TGWA	15170 kc/s	19.78 m	10 kW

TGWA and TGWB — RADIO NACIONAL
Address: Radio Nacional, La Voz de Guatemala, Ciudad de Guatemala.
Leading Personalities: Director: Mr. Miguel A. Sanoval.
Daily Programmes from **TGWA** (Commercial programmes) in *Spanish* from 12.25 (Sun. 13.55)-20.00 and 22.55-05.00.
On 19.78 m from 12.25-20.00. On 30.74 m from 22.55-05.00.

Weekdays:

13.00 News	23.20 English
13.20 Music	23.30 Music
14.05 News	00.40 News
14.10 Programme Preview	01.00 Music
14.15 Music	02.00 The World goes on
19.00 News	03.30 Music
23.00 News from CBS	04.00 Music

Sundays:

16.00 Music	01.15 Religious Service
16.30 Religious Service	01.30 Music
18.00 Music	04.00 Programme from NBC
23.00 Music	04.15 Music

Daily Programmes from **TGWB** (Cultural programmes) in *Spanish* from 17.55-20.00 and 22.55 (Sun. 23.55)-04.30.

18.00 Music	02.30 Music
23.00 Music	03.00 Orchestra and Soloist
00.15 Commentary	(Mond. Wedn. Thurs.
01.00 Music	Fri.)
01.30 From University	03.30 News
02.00 Music	03.45 Music

Announcement: Open and close down with the National Anthem. Gives call every 15 minutes with frequent mention of Guatemala.

Station: TGLA — La Voz del Pacifico, Ciudad Retalhulen.
Daily Programmes from 22.30-23.30 and 00.30-04.00

Station: TGOA - La Voz de los America, Ciudad de Guatemala.
Daily Programmes from 00.00-03.00

Station: TGQA - La Voz de Quezaltemango, Ciudad de Guatemala.
Daily Programmes from 01.00-04.30

Station: TG2 - Radio Morse, Ciudad de Guatemala.
Daily Programmes from 23.00-04.00

HAITI

Normal Clock Time — G. M. T. minus 5 hours.

Stations:

HHCN	5660 kc/s	53.00 m	0,2 kW
HH2S	5948 kc/s	50.44 m	0,3 kW
HHCM	6165 kc/s	48.66 m	0,1 kW
HHBM	9660 kc/s	31.06 m	1 kW
HH3W	10130 kc/s	29.60 m	0,5 kW

HHBM-HHCM-MACLOARE BROADCASTING CIRCUIT, M. B. C.

Address: P. O. Box 118, 36 Rue Americaine, Port-au-Prince.

Leading Personalities: General Manager and Owner: Franck Magloire.

Daily Programmes in *Spanish* from 11.30-15.00, 17.00-20.00 and 23.00-03.00 (Sundays 15.00-19.00).

Announcement: Every half hour: "Vous ecoutéz la MBC, a Port-au-Prince, Capitale de la Republique d'Haiti. La MBC travaille en ce moment avec la HHBM, 31 m, la HHCM 48 m et la HHGM 208.66 m. La MBC est affilié a la NBC de New York"

Interval-Signal: Every half hour: Three chimes note.

HH3W — BROADCASTING CIRCUIT HHW
Address: Post Office, Box A 117, Port-au-Prince.
Daily Programmes in *Spanish* from 11.30-13.30, 17.00-20.00 and 23.00-03.00 (Sundays 15.00-20.00).

HH2S Société Haitienne de Radiodiffusion.

Address: Rue Pavée, Port au Prince.

Leading Personalities: President: Mr. A. Mallebanche. Administrator: F. Appolon. Program-Director: E. Gentel.

Daily Programmes in *Spanish* from 11.30-13.30, 17.00-19.00 and 22.30-03.40 (Sundays 01.00).

HHCN — RADIO STATION HHCN
Address: Radio Station HHCN, Avenue Christophe No. 55, Port-au-Prince.

Leading Personalities: Manager: Mr. Carl Etienne.

Daily Programmes in *Spanish: Weekdays:* 14.30-16.30 and 22.30-02.30. *Sundays:* 14.00-16.00.
News at 15.30 and 02.00.

Announcement in French, English and Creole.

REP. HONDURAS

Normal Clock Time — G. M. T. minus 6 hours.

La Voz de Honduras, Tegucigalpa.
Station: HRN 587.7 kc/s 51.05 m 0,75 kW
Daily Programmes in *Spanish* from 14.00-16.00, 19.00-21.00 and 24.00-05.00.

La Voz de Lempira, Tegucigalpa.
Station: HRA 6000 kc/s 49 m 0,5 kW
Daily Programmes in *Spanish* from 10.00-16.00.

El Eco de Honduras, San Pedro Sula.
Station: HRP1 6350 kc/s 47.24 m 0,1 kW
Daily Programmes in *Spanish* from 17.00-20.15 and 00.00-04.55.

La Voz de Atlantida, La Ceiba.
Station: HRD2 6235 kc/s 48.12 m 0,2 kW
Daily Programmes in *Spanish* from 18.00-20.00 and 01.00-05.00.

BRITISH HONDURAS

Normal Clock Time — G. M. T. minus 6 hours.
Address: Gouvernment Radio Station c/o Colonial Postmaster, Belize, British Honduras.

Stations: ZIK2 10600 kc/s 28.30 m 0,2 kW.
Daily Programmes in *English* from 15.00-17.45.

JAMAICA (British West Indies)

Normal Clock Time — G. M. T. minus 5 hours.

Address: The Government Broadcasting Station, 2 Seaview Avenue, Half Way Tree, Kingston.

Stations: Kingston ZQJ 4700 kc/s 63.83 m 0,2 kW

Daily Programmes in *English* from 21.30-23.30, Sundays: 20.30-22.30.

Announcement: Identification in English is given at 15 minutes interval. Close down with: "God save the King".

MARTINIQUE (French West Indies)

Normal Clock Time — G. M. T. minus 4 hours.

Address: La Directeur du Service d'Information, Fort-de-France.

Leading Personalities: Director: Mr. R. Hennebault.

Stations: Radio Martinique.

SNRI	9700 kc/s	30.93 m	1,5 kW
	6144 kc/s	48.82 m	0,2 kW inactive

Daily Programmes: 16.30-17.45, 22.00-01.00 (Sund. 02.00) News: 11.00, 17.00, 17.40, 00.00, 01.00 (Press Review), 01.25.

Announcement: "Ici Radio Martinique poste National Français" or "Ici Radio Martinique — La Voix de la France aux Antilles". This text is repeated every 15 minutes.

Interval-Signal: The first six notes of "Sous les Ponts de Paris" played on Xylophone. Open with "La Marseillaise" and "March Lorraine" and close down with "La Marseillaise".

MEXICO

Normal Clock Time (Central Standard Time) — G. M. T. minus 6 hours.

STATIONS:

Commercial Stations:

XEOI	6010 kc/s	49.92 m	2,5 kW
XEUQ	6020 kc/s	49.83 m	0,25 kW
XEKW	6030 kc/s	49.75 m	0,5 kW
XETW	6045 kc/s	49.63 m	0,1 kW
XEUZ	6130 kc/s	48.94 m	0,1 kW
XECC	6185 kc/s	48.50 m	0,05 kW
XEWW	9500 kc/s	31.58 m	25 kW
XEWW	15160 kc/s	19.79 m	25 kW
XEFT	9545 kc/s	31.43 m	0,25 kW
XETT	9555 kc/s	31.40 m	0,5 kW
XERQ	9610 kc/s	31.22 m	0,5 kW
XEBT	9625 kc/s	31.17 m	10 kW
XEQQ	9680 kc/s	30.99 m	1 kW
XENN	11780 kc/s	25.46 m	1 kW
XEBR	11820 kc/s	25.38 m	0,15 kW
XEHH	11880 kc/s	25.25 m	0,25 kW

Cultural Stations:

XEJG	4820 kc/s	62.24 m	0,2 kW
XEXA	6175 kc/s	48.58 m	0,1 kW
XEYU	9600 kc/s	31.25 m	0,25 kW

XEWW — LA VOZ DE LA AMERICA LATINA DESDE MEXICO

Address: Cadena Radiodifusora Mexicana S. A., Calle Ayuntamiento Nr. 54, Mexico D. F.

Leading Personalities: Chairman: Mr. Emilio Azcarraga. General Manager: Mr. Othón M. Velez. Chief Engineer: Mr. Jose R. del Herran.

Daily Programmes in *Spanish:*
On 31.58 m from 12.55-06.00
On 19.79 m: Used only occasionally for special transmissions.
News at 14.00, 20.35, 01.00, 04.45 and 06.00.

Announcement: Call given every quarter hour if gramme: "XEW y XEWW Ciudad de Mexico" proceeded by four descending chimes.

Interval-Signal: Chimes.

XEBT — LAS EMISORAS DE AMERICA

Address: Estaciones Radiodifusoras Comerciales XEB and XEBT, Calle Buen Tono Nr. 6, Mexico D. F.

Leading Personalities: General Manager: Engineer Andre T. Duprat. Chief Engineer: Engineer Juan C. Buchanan. Artistic Director: Sr. Julian Morau.

Daily Programmes in *Spanish* from 15.30-07.00
News at 15.30, 21.00, 01.30 and 06.15

Highlights of Programmes:
Football Games: Sundays from 18.55-20.55
Football Games: Thursdays from 03.00-04.45
Remote control from the National Lottery: Wednesdays and Fridays from 03.00 to 04.30
Chain of remote control from the best Mexico City Night Clubs: Daily from 05.30-07.00

Announcement: In *Spanish:* "Las Emisoras de America desde la Capital de la Republica Mexicane". In *English:* "You have listened to XEB mediumwave and XEBT shortwave".

Interval-Signal: Melody: "Liszt's Liebestraum" and three cuckoo signals after each programme.

XEOI — RADIO MIL

Address: Radio Mil, Fomento de Radio S. A., Donato Guerra No. 26, Mexico City.
Daily Programmes in *Spanish* from 14.00-06.00.

XEQQ — RADIO PANAMERICANA

Address: Radio Panamericana XEQQ, José Maria Marroqui No. 11, Mexico D. F.

XEBR — RADIODIFUSORA DE SONORA, HERMOSILLO

XECC — IMPULSORAS DE PROGRESO

Address: Puebla, 2 Norte No. 803, Puebla.

XEFT — LA VOZ DE VERA CRUZ

Address: Independencia No. 74, Vera Cruz.
Daily Programmes in *Spanish* from 15.00-05.25.

XEHH — SAL DE UVAS PICOT

Address: Zempola No. 77, Mexico D. F.

XEKW — EL ECO DE MICHOACAN

Address: Aldama No. 154, Morelia.
Daily Programmes in *Spanish* from 12.00-17.00, 21.00-04.00.

XERQ — RADIO CONTINENTAL, CORPORATION MEXICANA DE RADIO S. S.

Address: Cordoba No. 48, Mexico D. F.
Daily Programmes in *Spanish* from 04.00-07.00.

XETT — LA HORA EXACTA
Address: Lopez No. 8, Mexico D. F.
Daily Programmes in *Spanish* from 12.00-06.00.

XETW — LA VOZ DE TAMPICO
Address: Madero No. 10, Tampico.
Daily Programmes in *Spanish* from 13.45-06.45.

XEUQ — EL ECO DE SOTAVENTO DESDE VERA CRUZ
Address: Independencia No. 230, Vera Cruz.
Daily Programmes in *Spanish* from 12.00-06.00.

XEUZ — CADENA RADIO NACIONAL "PRI"
Address: Paseo de la Reforma No. 18, Mexico D. F.
Daily Programmes in *Spanish* from 20.00-05.20.

XEJG — GOBIERNO DEL ESTADO DE JALISCO
Address: Palicio de Gobierno, Guadalajara.
Daily Programmes in *Spanish* from 03.50-05.00.

XEXA — RADIO GOBERNACION, MEXICO D. F.
Daily Programmes in *Spanish* from 01.00-06.00 and 13.00-20.00.

XEYU — UNIVERSIDAD NACIONAL DE MEXICO
Address: Calle de Justo Sierra, Mexico D. F.

XENN — RADIO MUNDIAL
Address: Venustiano Carranza 30, Mexico D. F.

REP. NICARAGUA

Normal Clock Time — G. M. T. minus 6 hours.

Stations:

YNXW	6273 kc/s	47.82 m	0,1 kW
YNWW	6450 kc/s	46.51 m	0,5 kW
YNBH	6550 kc/s	45.80 m	0,1 kW
YNCMO	6700 kc/s	44.78 m	0,2 kW
YNVP	6760 kc/s	44.38 m	0,8 kW
YNQ	6950 kc/s	43.12 m	0,15 kW
YNOW	6890 kc/s	43.54 m	0,25 kW
YNET	7103 kc/s	42.24 m	0,1 kW
YNAT	7400 kc/s	40.54 m	0,1 kW
YNFT	7502 kc/s	39.99 m	0,1 kW
YNLAT	7615 kc/s	39.53 m	0,2 kW

YNVP — LA VOZ DE NICARAGUA
Address: Radiodifusora Nacional, "La Voz de Nicaragua", Gobierno de Nicaragua, Managua.

Leading Personalities: Director-General: Dr. Velazquez Prieto. Engineers: Mr. Moises C. le Franc and Mr. Guillermo Borge C.

Daily Programmes in *Spanish:* 12.30-15.00, 17.00-20.00, 22.00-04.00.

Announcement: "La Voz de Nicaragua".

Interval-Signal: The melody: "We wish Nicaragua our native country, good luck."

Message to Listeners: "We fight for a better world in which you find peace, justice and freedom. That God will protect humanity and develop the goodness in the souls of human beings. — From this little country "La Voz de Nicaragua" speaks to all people on the earth to create a better understanding between people."

YNWW — RADIO SPORT, GRANADA
Daily Programmes in *Spanish* from 13.00-15.00, 18.00-21.00 and 23.00-04.00.

YNBH — RADIO PANAMERICANA, MANAGUA
Daily Programmes in *Spanish* from 13.00-15.00, 17.00-20.00, 22.00-04.00.

YNCMO — RADIODIFUSORA "ECOS DE AMERICA", MANAGUA
Daily Programmes in *Spanish* from 13.00-15.00, 16.00-20.00 and 23.00-03.00.

YNOW
LA VOZ DE LA AMERICA CENTRAL, MANAGUA
Daily Programmes in *Spanish* from 13.00-16.00, 17.00-20.00 and 21.00-05.00.

YNAT — LA VOZ DE LEON, LEON
Daily Programmes in *Spanish* from 14.00-15.00, 18.00-20.00 and 00.00-03.00.

YNFT — LA VOZ DE LA SULTANA, GRANADA
Daily Programmes in *Spanish* from 22.00-02.00

YNLAT — LA VOZ DEL MOMBACHO, GRANADA
Daily Programmes in *Spanish* from 22.00-03.15.

YNQ — LA VOZ DE LA VICTORIA
Address: Apartado No. 3-3-8.
Daily Programmes in *Spanish* from 13.00-16.00, 17.00-20.00 and 21.00-05.00.

YNET — EMISORA DEL PUEBLO RADIO MASSAYA, MASSAYA
Daily Programmes in *Spanish* from 22.00-03.00.

REP. PANAMA

Normal Clock Time — G. M. T. minus 5 hours.

Stations:

HP5K	6005 kc/s	49.96 m	0,8 kW
HP5B	6030 kc/s	49.75 m	0,25 kW
HOFA	6080 kc/s	49.34 m	5 kW
HP5H	6122 kc/s	49.00 m	0,5 kW
HOB	6175 kc/s	48.58 m	1 kW
HOLA	9505 kc/s	31.56 m	0,25 kW
HP5J	9690 kc/s	31.23 m	0,25 kW
HOXC	9660 kc/s	31.06 m	1,5 kW
HP5A	11700 kc/s	25.64 m	0,5 kW
HP5G	11780 kc/s	25.47 m	0,8 kW
HOXC	11810 kc/s	25.40 m	7,5 kW
HOXC	15100 kc/s	19.87 m	7,5 kW

HOXC — RADIODIFUSORA CENTRO AMERICANA AMERICANA
Address: Apartado 1335, Panama City.

Leading Personalities: General Manager: Mr. Paredes.

Daily Programmes in *English* and *Spanish:* 11.45-04.00.

Announcement: "This is Radio Central America in Panama".

HP5G-HOB — RADIO PANAMERICANA
Address: Apartado 1121, Ciudad Panama.
Leading Personalities: President: Mr. Gilberto Arias. Director: Azul de la Lastra.

Daily Programmes in *English* and *Spanish* from 11.30-04.00.

HP5J — LA VOZ DE PANAMA
Address: La Voz de Panama, Servicio Publico de Radio, Box 34, Panama City.

Leading Personalities: Owner and General Manager: Mr. Manuel Diaz. *Spanish Programmes:* Mr. George Acerra. *English Programmes:* Mr. George Williams and Mr. Jack Allyn

Daily Programmes in *English* and *Spanish* from 11.00-04.00.
News and Commentary: 17.30-18.00 and 23.00-23.30.
After the news are given the times for musical and serial programmes.

Announcement: In *English:* Your pioneer station "The Voice of Panama" HP5J and HP6J, 31 and 220 metres simultaneously transmitting from the City of Panama. Rep of Panama.

Message to Listeners: "We have a vast short wave listener audience. We welcome all reports from DX-Fans, which will all be verified."

HP5K — LA VOZ DE LA VICTOR

Address: Apartado 33, Colon.

Leading Personalities: Owner and General Manager: Mr. Jose Jaen y Jaen.

Daily Programmes, in *English* and *Spanish* from 12.30-20.00 and 21.00-04.00.

Announcement: In *English:* "These are stations HOK, HP5K and HON of the Panama Broadcasting System, operating in the City of Colon, Republic of Panama." In *Spanish:* "Estas son las emisoras HOK, HP5K y HON de la Cadena Panamena de Radiodifusion en la Ciudad de Colon, Republica de Panama."

HP-5H LA VOZ DEL PUEBLO
Address: Apartado 1045, Panama City.
Daily Programmes in *English* and *Spanish* from 12.00-04.00.

HOLA — RADIO ATLANTICO
Address: Apartado 444, Colon.
Daily Programmes in *English* and *Spanish* from 12.00-03.30.

HOFA — EMISORAS ISTMENAS, PANAMA CITY
Daily Programmes in *English* and *Spanish* from 12.00-03.30.

HP-5A CADENA PANAMENA DE RADIODIFUSION, PANAMA CITY
Address: Apartado 954, Panama City.
Daily Programmes in *English* and *Spanish* from 12.00-04.00.

HP-5B — RADIO MIRAMAR
Address: Apartado 910, Panama City.
Daily Programmes in *English* and *Spanish* from 12.00-03.30.

REP. EL SALVADOR

Normal Clock Time — G. M. T. minus 6 hours.

Stations:

HUB	4780 kc/s	62.76 m	0.3 kW
YSW	6000 kc/s	50.00 m	0,2 kW
YSP	6200 kc/s	48.39 m	0,35 kW
YSU	6250 kc/s	48.00 m	0,2 kW
YSR	6265 kc/s	47.88 m	1 kW
YSI	7215 kc/s	41.58 m	0,1 kW
YSO	7270 kc/s	41,26 m	1 kW
YSF	9250 kc/s	32.43 m	1 kW

HUB — DIFUSORAS NACIONALES — ALMA CUSCATLECA
Address: Difusoras Nacionales YSS, Alma Cuscatleca y HUB de la Direccion General de Comunicaciones electricas, San Salvador.

Leading Personalities: Manager: Mr. Francisco José Alvarado. Chief Engineer: Mr. José Enrique Nunez.

Daily Programmes (Cultural programmes) in *Spanish* from 18.00-19.00 and 00.00-04.00.

YSW — LA RADIO DEL PUEBLO
Address: La Radio Del Pueblo Santaneco, Ciudad de Santa Ana.

Daily Programmes in *Spanish* from 13.00-14.00, 18.00-20.00 and 00.30-04.00.

YSP — LA VOZ DE CUSCATLAN (Commercial)
Address: La Voz de Cuscatlan, Calle Ruben Dario 46, San Salvador.

Daily Programmes in *Spanish* from 12.30-05.00.

YSU — RADIO MIL (Commercial).
Address: Radio Mil, Cincuenta.

Daily Programmes in *Spanish* from 18.00-21.00 and 23.00-05.00.

YSR — LA VOZ DE EL SALVADOR (Commercial).
Address: La Voz de El Salvador, San Salvador.

Daily Programmes in *Spanish* from 17.00-05.00.

YSI — RADIO INTERCONTINENTAL (Commercial).
Address: Radio Intercontinental, San Salvador.

Daily Programmes in *Spanish* from 18.00-20.00 and 23.30-04.00.

YSO — LA VOZ DE LA DEMOCRACIA (Commercial)
Address: La Voz de la Democracia, Apartado 4-8-4, San Salvador.

Daily Programmes in *Spanish* from 17.00-04.00.

YSF — RADIO VANGUARDIA (Commercial).
Address: Radio Vanguardia, San Salvador.

Daily Programmes in *Spanish* from 13.00-15.00, 18.00-20.00 and 00.00-04.00.

TRINIDAD

Normal Clock Time — G. M. T. plus 4 hours.

Address: Trinidad Broadcasting Co., Ltd., Broadcasting House, Port of Spain, Trinidad.

Leading Personalities: General Manager: W. A. MacLurg. Chief Engineer: A. Cross. Studio Manager: Gerard de Freitas. Announcer: S. Ghany.

Stations:
VP4RD 9625 kc/s 31.17 m 0,5 kW

Daily Programmes on *Weekdays* from 11.00-13.00, 16.00-18.00 and 20.00-03.00.
Sunday: 11.00-16.00 and 20.00-03.00.

Announcement: This is Radio Trinidad.

Interval-Signal: Harp Music.

SOUTH AMERICA

ARGENTINA

Present Clock Time — G. M. T. plus 3 hours.

Argentine has a total of 53 commercial broadcasting stations of which 14 pertain to the Buenos Aires city district. In addition there is the official government station. LRA—LRA1 Radio del Estado, which does not accept advertisements. Of the 14 stations in Buenos Aires, the foremost are Radio El Mundo, Radio Belgrano and Radio Splendid (Rades). These three stations have their networks and this ensure coverage across the Republic. Network broadcasting in Argentine is conducted by use of the shortwaves; the affiliated stations in the interior pick up and rebroadcast the Buenos Aires originating stations shortwave signals. Broadcast advertising is carried out by means of half-hour or fifteen minutes feature programmes. There are restrictions against foreign language broadcasts, transcribed programmes and any type of programme which stresses any form of nationalism other than the Argentine.

Stations:

LRS-1	5985 kc/s	50.13 m	5 kW
LRY-1	6090 kc/s	49.26 m	5 kW
LRX-1	6120 kc/s	49.02 m	10 kW
LRR	6145 kc/s	48.82 m	10 kW
LRM	6180 kc/s	48.54 m	10 kW
LRS	9320 kc/s	32.21 m	10 kW
LRX	9660 kc/s	31.06 m	7 kW
LRA-1	9690 kc/s	30.96 m	10 kW
LRY	11840 kc/s	25.34 m	5 kW
LRR	11880 kc/s	25.25 m	10 kW
LRU	15290 kc/s	19.62 m	6 kW
LRA5	17720 kc/s	16.93 m	10 kW
LRA5	17830 kc/s	16.83 m	10 kW

LRA1 — RADIO DEL ESTADO

Address: LRA Radio del Estado, Palacio de Correos y Telecommunicaciones, Buenos Aires.

Leading Personalities: General Manager for Telecommunication: Don Oscar M. L. Nicolini. Joint General Manager: Don Pedro Gagliardo. Director for Broadcasting: Don Humberto A. Rusi.

Daily Programmes: LRA1 from 13.00-03.00. LRA5 from 21.00-21.30 (only Fridays).

13.20 News	23.30 News (exc. Sun.)
15.00 Classical Music	00 00 Classical Music
1630 News (exc. Sun.)	01.00 News (exc. Sun.)
17.00 Music	01.30-03.00 Classical Music
22.00 Music	

Highlights of Programmes:

Sundays	15.00 Symphony-Concert
Sundays	23.00 Symphony-Concert
Wednesdays	00 00 Symphony-Concert
Fridays	00.00 Symphony-Concert
Saturdays	23.00 Symphony-Concert

Announcement: "LRA y LRA1 Radio del Estado de Buenos Aires."

Interval-Signal: "Marcha patriotica" is played at opening and closing down.

RADIO EL MUNDO

Address: Radio El Mundo, 555 Calle Maipu, Buenos Aires.

Leading Personalities: President for Editorial Haynes Lda. (Owner): Sr. Harry Wesley Smith. Director for Radio El Mundo: Sr. Oscar Luis Massa. Administrator of Radio El Mundo: Sr. Juan A. Fernandez.

Stations:

LRX 1	6120 kc/s	49.02 m	10 kW
LRX	9660 kc/s	31.06 m	7 kW

Daily Programmes in *Spanish* on all frequencies from 10.30-04.00:

10.30 News	19.15 Records
11.00 Records	19.35 Drama
13.00 News	20.00 Records
13.05 Records	20.30 Drama
14.15 Tango	21.00 News, Music
14.30 Music	22.00 Tango
15.00 News	22.25 News
15.05 Music	22.45 Jazz
15.30 Sketch	23.30 Official News
16.00 News	23.54 News, Commentary
16.30 Official News	01.00 News
16.35 News	01.05 Theatre
16.45 Tango	01.30 Music
17.00 French Progr.	02.00 News
17.15 Music	02.15 Records
18.00 Music	03.00 News, Records
19.00 Sketch	

Highlights of Programmes:
Variety: 00.00 Wednesdays.
Opera: 00.30 Saturdays.

Announcement: "LR 1 Radio El Mundo de Buenos Aires con sus estaciones LRX y LRX 1".

Signature tune:

Interval-Signal:

Message to Listeners: "We do not broadcast special programmes for foreign listeners, but we receive many letters and reports from listeners all over the world, which we always verify. We are always grateful for reports of our programmes and reception quality."

LRY, LRY1 — RADIO BELGRANO
Address: Radio Belgrano, 1841, Buenos Aires.

Leading Personalities: President: Mr. Jaine Yankelevich. General Manager: Mr. Juan E. Cossic. Director: Mr. Pablo O. Valle. Director of Programmes: Mr. Samuel Yankelevich.

Daily Programmes in *Spanish* from 10.00-04.00.
Saturdays: 10.00-05.00.
News: 10.00, 12.00, 12.30, 13.00, 13.55, 15.00, 15.30, 19.55, 22.00, 02.00, 02.30, 03.45.

Announcement: "LR3, Radio Belgrano y sus estaciones de onda corta LRY y LRY1 con ZP5 de Encarnacion Paraguay y la Primera Cadena Argentina de Broadcasting."

Interval-Signal: Tunes on Vibraphone and Gong.

LRS, LRS1 — RADIO SPLENDID
Address: Radio Splendid, Calle Ayacucho 1556, Buenos Aires.

Leading-Personalities: President: Engineer Antonio C. Devoto. Vice-President and General Manager: Dr. Alfredo G. Pérez.

Daily Programmes in *Spanish* from 11.00-03.00.
News at every hour. — *Theatre* daily 17.00 and 22.05. —

Highlights of Programmes:
Pedro Vargas: 21.30-22.00 Tuesdays and Fridays.
Pepe Arias: 21.30-22.00 Tuesdays and Fridays.
Answer on letters from listeners: 21.30-22.00 Mondays and Thursdays.
Football-Reportage: C. 15.00 Sundays.

Announcement: LR4 Radio Splendid de Buenos Aires, con LRS y LRS1 ondas cortas y la Red Argentina de Emisoras Splendid.

Interval-Signal: Gong.

Message to Listeners: "Listen to the french programme "La Madelon"" Weekdays from 14.00-14.15.

LRM — RADIO ACONCAGUA
Address: Radio Aconcagua, Ave Emilio Civit 460, Mendoza.

Leading Personalities: Manager: Julio E. Pozo.

Daily Programmes in *Spanish* from 10.00-04.00.

08.00 News from LR1	20.55 News
13.30 News from LR1	21.55 News
14.00 Music	22.00 Music
14.05 Music	23.30 News from LRA
15.25 News	00.00 Music
16.00 News from LR1	01.00 News from LR1
16.30 News from LRA	01.35 News
16.45 Music	01.45 Music
18.25 News	03.55 News
18.45 Music	

Announcement: "LRM y LW2 Radio Aconcagua de Mendoza."

Message to Listeners: "We are always grateful for reports from Listeners, all of which will be verified."

LRR — RADIO OVIDIO LAGOS
Address: Radio Ovidio Lagos, Cordoba 1825, Rosario, Santa Fé.

Leading Personalities: President: Joaquin Lagos. Director: Arturo G. Martinez. Artist Manager: Tulio Reyna. Chief Engineer: Pedro Irigoyen.

Daily Programmes in *Spanish* from 11.00-03.00.

Announcement: Every fifteen minutes: "LRR Radio Ovidio Lagos de Rosario, Republica Argentina."

Interval-Signal: Multi-chimes.

Message to Listeners: "This is our voice, that is your hand, we will be a good friend."

BRAZIL

East (incl. all coasts): Normal Clock Time — G. M. T. minus 3 hours.
West: Normal Clock Time — G. M. T. minus 4 hours.

PRI	4	4825 kc/s	62.18 m	0,5 kW
PRC	5	4864 kc/s	61.68 m	2 kW
PRF	6	4895 kc/s	61.28 m	2,5 kW
PRI	3	6000 kc/s	50.00 m	5 kW
PRI	3	15190 kc/s	19.75 m	12 kW
PRA	8	6016 kc/s	49.87 m	5 kW
PRE	9	6105 kc/s	49.11 m	5 kW
PRE	9	15165 kc/s	19.77 m	5 kW
PRL	7	9505 kc/s	31.56 m	50 kW inactive
PRL	7	9720 kc/s	30.86 m	50 kW
PRL	8	11720 kc/s	25.60 m	50 kW
PRL	9	17850 kc/s	16.81 m	50 kW
ZYB	7	6095 kc/s	49.22 m	25 kW
ZYC	8	9610 kc/s	31.22 m	25 kW
ZYB	8	11765 kc/s	25.50 m	25 kW
ZYB	9	15155 kc/s	19.80 m	25 kW
ZYC	9	15370 kc/s	19.52 m	25 kW

PRL 7 — PRL 8 — PRL 9 — RADIO NACIONAL
Address: Radio Nacional, Empresa Radio Nacional, Praca Maua No. 7, Ed. da "A Noite", Rio de Janeiro.

Leading Personalities: General Manager: Mario Neiva.

Daily Programmes in *Portuguese* from *PRL* 7 30.86 m. *Sundays* from 10.00-02.00. *Weekdays* from 12.55-14.15, 15.50-16.30 and 20.25-04.00. *Saturdays* from 12.55-04.00. *PRL 8:* 10.45-12.00 and *PRL 9:* 12.15-12.45 Mondays and Fridays only.

PRL 7: 23.30 Official News.

PRL 8: 17.45 French. 18.00 Portuguese. 18.30 English. 19.00 Italian.

Daily from 22.30-23.00 offical news by the Brazilian government broadcast by all Brazilian stations.

ZYB 7 — ZYB 8 — ZYB 9 — RADIODIFUSORA DE SAO PAULO

Address: Radiodifusora de Sao Paulo, Sao Paulo.

Daily Programmes in *Portuguese.*
ZYB 7 from 21.00-02.50
ZYB 8 from 13.00-18.00 and 20.30-03.30
ZYB 9 from 13.00-18.00 and 20.30-03.30

PRI 4 — RADIO PIAUI
Daily Programmes in *Portuguese* from 22.00-03.00.

PRC 5 — RADIO CLUBE DE PARA
Address: Radio Clube de Para, Belem.
Daily Programmes in *Portuguese* from 12.00-17.30 and 21.30-02.00

PRF6 — RADIO BARÉ MANAOS
Daily Programmes in *Portuguese* from 23.30-02.30.

PRI 3 — RADIO INCONFIDENCIA
Daily Programmes in *Portuguese* from 10.55-15.00. 18.00-22.30.
News at 11.00, 14.30, 15.00 and 22.30.

PRA 8 — RADIO CLUBE DE PERNAMBUCO
Address: Radio Clube de Pernambuco, Av. Cruz Cabuga 394, Recife.

Daily Programmes in *Portuguese* from 12.00-18.00 and 20.00-03.00.

Message to Listeners: "We wish to thank everyone for every valuable report concerning reception of our programmes transmitted simultaneously on 6015 kc/s. Hoping all listeners will enjoy our Brazilian popular music."

PRE 9 — CEARA RADIO CLUBE
Daily Programmes in *Portuguese* from 10.00-15.00, 20.30-03.00.

ZYC 8 — ZYC 9 — RADIO TAMOIO
Daily Programmes in *Portuguese* from 13.00-04.00.

BOLIVIA

Normal Clock Time — G. M. T. minus 4 hours.

Stations:

CP-15	5880 kc/s	51.02 m	0,35 kW
CP-37	6026 kc/s	49.78 m	0,25 kW
CP-37	6170 kc/s	48.70 m	0,25 kW
CP-2	6110 kc/s	49.10 m	1 kW
CP-12	6150 kc/s	48.78 m	0,25 kW
CP-5	6200 kc/s	48.39 m	0,5 kW
CP-40	6510 kc/s	46.08 m	0,25 kW
CP-49	6770 kc/s	44.31 m	0,5 kW
CP-21	9430 kc/s	31.81 m	0,27 kW
CP-38	9505 kc/s	31.56 m	5 kW
CP-40	9570 kc/s	31.35 m	0,25 kW
CP-12	9630 kc/s	31.15 m	0,25 kW
CP-25	9700 kc/s	30.93 m	0,25 kW

CP38/CP2 — RADIO NACIONAL, LA PAZ
Daily Programmes in *Spanish* from 12.00-14.00, 15.00-18.00 and 20.00-04.00

CP49 — RADIO MUNICIPAL, LA PAZ
Daily Programmes in *Spanish* from 12.00-14.00, 16.00-17.00 and 22.00-02.00.

CP21 — RADIO LA PLATA, SUCRE
Daily Programmes in *Spanish* from 14.00-16.45 and 20.00-22.00.

CP12 — RADIO FIDES, SUCRE
Daily Programmes in *Spanish* from 16.00-18.00 and 22.00-24.00.

CP37 — RADIO ORURO, ORURO
Daily Programmes in *Spanish* from 00.30-03.00.

CP40 — RADIO CENTRAL, COCHABAMBA
Daily Programmes in *Spanish* from 00.30-03.00.

CP5 — RADIO BOLIVIANA, LA PAZ
Daily Programmes in *Spanish* from 22.15-02.45.

CP25 — RADIO SUCRE, LA PAZ
Daily Programmes in *Spanish* from 14.00-03.00.

CP15 — RADIO EL CONDOR, LA PAZ
Daily Programmes in *Spanish* from about 00.00-05.00.

CHILE

Normal Clock Time — G. M. T. minus 4 hours.

Stations:

CE-601	6010 kc/s	49.92 m	5 kW
CE-615	6150 kc/s	48.70 m	5 kW
CE-622	6220 kc/s	48.23 m	5 kW
CE-960	9600 kc/s	31.24 m	1,2 kW
CE-970	9728 kc/s	30.84 m	5 kW
CE-1173	11730 kc/s	25.58 m	5 kW inactive
CE-1174	11740 kc/s	25.55 m	5 kW
CE-1181	11810 kc/s	25.40 m	5 kW
CE-1185	11850 kc/s	25.32 m	5 kW
CE-1190	11900 kc/s	25.21 m	5 kW

CE-1190, CE-970, CE-615 — LA VOZ DE CHILE
Address: Radios La Cooperative Vitalicia, Compania Chilena de Communicaciones S. A., Calle Condell 1227, Post Box 1627, Valparaiso.

Leading Personalities: General Manager: Mr. Luis Falcone Baltra. General Secretary: Mr. Roberto Barrueto. General Manager for Valparaiso transmitters: Mr. Luis Falcone. Director: Mr. Raul Gorigoitia. Programme Director: Mr. Enrique Saldias. General Manager for Santiago transmitters: Mr. Raul Santa Maria. Director: Mr. Renato Deformes. Programme Director: Mr. Andrés Moreno.

Stations:

Santiago de Chile	CE-970	9728 kc/s	30.84 m	5 kW
Valparaiso	CE-615	6150 kc/s	48.78 m	5 kW
	CE-1190	11900 kc/s	25.21 m	5 kW

Daily Programmes in *Spanish:*
All stations: from 11.30-04.00 with the same programme for both from 11.30-13.00, 17.00-18.00 and 23.00-04.00.
Santiago and *Valparaiso* programmes severally from 13.00-17.00 and 18.00-23.00.

Announcement: All stations open with Elgar's march: "Land of Hope and Glory". Announcements are different depending on which stations are in use, f. inst.: "Transmite la Primera Cadena Chilena de Emisoras de Radios La Cooperativa Vitalicia; la Voz de Chile para toda América, por sus Estaciones de Santiago, Valparaiso Concepsion, Temuco, Valdivia, Puerto Montt y Punta Arenas y Estaciones de Onda Corta en 25, 31 y 49 metros.

Interval-Signal: Every half hour automatic gong plays the first 5 notes of Elgar's march followed by announcement.

Message to Listeners: "We send listeners all over the world our best greetings with thanks for all the letters we receive daily from shortwave-listeners especially from Sweden, Great Britain, U. S. A., New Zealand and Australia."

CE622-CE1173 — RADIO NACIONAL DE MINERIA
Address: Radio Nacional de Mineria, Sociedad Chilena Radiodifusora S. A., Santiago de Chile.

Leading Personalities: General Manager: Sr. Osvaldo Martínez C., Director of Programmes: Sr. Enrique Sánchez Matte.

Daily Programmes in *Spanish:*
Weekdays from 11.30-19.30 and 20.30-04.00
Sundays from 13.30-19.00 and 21.30-04.00
The hours of transmission for each frequency are not fixed.

Announcement: "CB106 y CEG22 Radio Sociedad Nacional de Minería."

CE-601 — LA VOZ DEL NORTE ANTOFAGASTA
Leading Personalities: Owner and Manager: Mr. Horus Pedreny Palena.
Daily Programmes in *Spanish* from 11.30-04.00.

CE-960 — RADIO LA AMERICANA, SANTIAGO DE CHILE
Leading Personalities: Owner and Manager: Mr. Miguel Ramis M.
Daily Programmes in *Spanish* from 11.30-04.00.

CE-1174 — RADIO NUEVO MUNDO, SANTIAGO
Address: Radio Nuevo Mundo, Sociedad Radiodifusora Nuevo Mundo Ltd., Santiago de Chile.
Daily Programmes in *Spanish* from 11.30-04.00.

CE-1181 — RADIO NACIONAL DE AGRICULTURA
Address: Sociedad Nacional de Agricultura, Santiago de Chile.
Leading Personalities: Manager: Mr. L. E. Brain.
Daily Programmes in *Spanish* from 11.30-03.30.

CE-1185 — RADIO EL MERCURIO, Santiago de Chile.
Address: Sociedad Radiodifusora La Mercantil, Santiago de Chile.
Daily Programmes in *Spanish* from 11.30-13.00 and 16.00-04.00.

COLOMBIA

Normal Clock Time — G. M. T. minus 5 hours.

Stations:

HJGB	4780 kc/s	62.77 m	2,5 kW
HJAN	4785 kc/s	62.70 m	5 kW
HJDX	4795 kc/s	62.57 m	0,75 kW
HJDU	4805 kc/s	62.40 m	0,75 kW
HJBB	4815 kc/s	62.31 m	0,75 kW
HJED	4825 kc/s	62.18 m	1 kW
HJCA	4855 kc/s	61.79 m	1 kW
HJEX	4865 kc/s	61.66 m	1 kW
HJFH	4874 kc/s	61.55 m	0,75 kW
HJDP	4885 kc/s	61.41 m	1 kW
HJCH	4895 kc/s	61.29 m	0,75 kW
HJAP	4925 kc/s	60.91 m	0,75 kW
HJCW	4945 kc/s	60.66 m	0,75 kW
HJCQ	4955 kc/s	60.54 m	2,5 kW
HJAE	4965 kc/s	60.42 m	0,75 kW
HJAG	4975 kc/s	60.30 m	0,75 kW
HJCX	6018 kc/s	49.85 m	0,75 kW
HJFA	6055 kc/s	49.55 m	0,75 kW
HJCF	6073 kc/s	49.39 m	0,75 kW
HJFK	6097 kc/s	49.20 m	2,5 kW
HJFB	6105 kc/s	49.14 m	1 kW
HJDE	6145 kc/s	48.82 m	10 kW
HJCD	6160 kc/s	48.70 m	10 kW
HJCT	6200 kc/s	48.39 m	10 kW
HJFB	6225 kc/s	48.19 m	4,5 kW
HJCAB	9690 kc/s	30.96 m	1 kW

HJCAB — HJCT — HJCQ — RADIODIFUSORA NACIONAL Bogota.
Leading Personalities: General Manager: Gerardo Valencia.
Daily Programmes in *Spanish* from 15.00-19.00 and 22.00-04.15 Relay HJCR.
Interval-Signal: Chimes.

HJGB — RADIO SANTANDER, BUCARAMANGA
Daily Programmes in *Spanish* from 12.00-14.00, 15.00-19.00 and 23.00-03.00.

HJAN — EMISORAS UNIDAD, BARRANQUILLA
Leading Personalities: Director and General Manager: Mr. Rafael Roncallo Vilar. Station Manager: Mr. A. Rosalos Navarro.
Daily Programmes in *Spanish* on *Weekdays* from 12.30-04.00. *Sundays* from 15.00-05.00.

HJBB — LA VOZ DE CUCUTA, CUCUTA
Daily Programmes in *Spanish* from 22.00-03.00.

HJED — LA VOZ DEL VALLE, CALI
Daily Programmes in *Spanish* from 00.00-04.00.

HJCA — RADIO CHRISTAL, BOGOTA
Daily Programmes in *Spanish* from 23.00-03.30.

HJEX — RADIO PACIFICE, CALI
Daily Programmes in *Spanish* from 00.00-04.30.

HJDP — EMISORA CLARIDAD, MEDELLIN
Daily Programmes in *Spanish* from 23.00-03.30.

HJCH — LA VOZ DE LA VICTOR, BOGOTA
Daily Programmes in *Spanish* from 23.00-03.00.

HJAP — RADIO COLONIAL, VARTAGENA
Daily Programmes in *Spanish* from 13.00-04.00.

HJCW — RADIO SURAMERICA, BOGOTA
Daily Programmes in *Spanish* from 12.00-16.00, 21.00-04.15.

HJAE — EMISORA FUENTES, CARTAGENA
Daily Programmes in *Spanish* from 21.00-23.00, 00.00-03.30.

HJCX — LA VOZ DE COLOMBIA, BOGOTA
Daily Programmes in *Spanish* from 22.00-04.00.

HJCF — LA VOZ DE BOGOTA, BOGOTA
Daily Programmes in *Spanish* from 22.00-04.00.

HJFK — LA VOZ AMIGA, PEREIRA
Daily Programmes in *Spanish* from 18.00-02.00.

HJFB — RADIO MANIZALES, MANIZALES
Daily Programmes in *Spanish* from 22.00-03.00.

HJDE — LA VOZ DE ANTIOQUIA CIA COLOMBRANA DE RADIODIFUSORA, MEDELLIN
Daily Programmes in *Spanish* on *Weekdays* from 11.45-05.00.

HJCD — EMISORA NUEVA GRANADA, BOGOTA
Daily Programmes in *Spanish* on *Weekdays* from 12.30-04.00. *Sundays* from 15.00-05.00.

ECUADOR

Normal Clock Time — G. M. T. minus 5 hours.

HCIM	4020 kc/s	74.63 m	0,25 kW Cultural
HCJB	4107 kc/s	73.05 m	0,70 kW Cultural
HCJB	6240 kc/s	48.08 m	1 kW Cultural
HCJB	9958 kc/s	30.12 m	1 kW Cultural
HCJB	12445 kc/s	24.10 m	10 kW Cultural
HCJB	15115 kc/s	19.85 m	1 kW Cultural
HC5AO	4200 kc/s	71.43 m	0,20 kW Commercial
HC1PM	4780 kc/s	62.76 m	0,15 kW Commercial
HC2AJ	4900 kc/s	61.23 m	1 kW Commercial
HCQRX	5970 kcs	50.25 m	0,30 kW Commercial
HC1FM	6180 kcs	48.54 m	0,25 kW Commercial
HC2RL	6400 kc/s	46.88 m	0,25 kW Cultural
CH1MI	7034 kc/s	42.65 m	0,25 kW Commercial
HC1AC	6210 kc/s	48.31 m	0,5 kW Commercial
HC2CM	7200 kc/s	41.66 m	0,20 kW Commercial
HC4FA	7244 kc/s	41.41 m	0,20 kW Commercial
HC1BF	7265 kc/s	41.30 m	0,30 kW Commercial
HC2AX	7300 kc/s	41.10 m	0,15 kW Cultural
HC1GP	7874 kc/s	38.10 m	0,25 kW Commercial
HC2ET	9200 kc/s	32.54 m	0,25 kW Commercial
HCBT	9355 kc/s	32.05 m	0,25 kW Commercial
HC2FW	11805 kc/s	25.41 m	1 kW Commercial

HCJB — LA VOZ DE LOS ANDES

Address: "La Voz de los Andes", Radiodifusora HCJB, Quito. New York Office: 156 Fifth Avenue, New York.

Leading Personalities: The Pioneer Missionary Broadcasters operated by the World Radio Missionary Fellowship Co. Manager for HCJB: Mr. F. J. Cruz M. Directors: Mr. Clarence W. Jones, Mr. Reuben E. Larson and Mr. D. Stuart Clark.

Stations: La Voz de los Andes, HCJB.

15115 kc/s	19.85 m	1 kW
12445 kc/s	24.10 m	10 kW
9958 kc/s	30.12 m	1 kW
6240 kc/s	48.08 m	1 kW
4107 kc/s	73.05 m	0,7 kW

DAILY PROGRAMMES on all frequencies from 11.30-14.00 and 21.00-05.00.

In English:

12.00-13.00 Morning in the Mountains on 24-30 m bands
14.00-16.00 Workship Features (Sun.) on 19-24-30 m bands
23.00-24.00 Ecuadorean Echoes on 24-30 m bands
02.00-03.30 Friendly Hours (Sun. to 04.00) on 19-24-30 m bands
03.30-05.00 "Late night" Broadcast on 24-30 m bands

In Spanish:

Weekdays:		*Sundays:*	
11.45-12.00	in 19, 73 m. b.	11.45-12.00	in 19, 73 m. b.
13.00-13.30	in 19, 24, 30, 73 m. b.	13.00-13.30	in 19, 24, 30, 73 m. b.
13.30-14.00	in 73 m. b.	16.00-17.00	in 19, 24, 30, 73 m. b.
22.30-23.00	in 19, 73 m. b.	22.00-23.00	in 73 m. b.
23.00-00.30	in 19, 24, 30, 73 m. b.	23.00-00.30	in 19, 24, 30, 73 m. b.
00.30-01.00	in 19, 30, 73 m. b.	00.30-01.00	in 19, 30, 73 m. b.
01.00-02.00	in 19, 24, 30, 73 m. b.	01.00-01.30	in 19, 24, 30, 73 m. b.
02.00-03.00	in 19, 73 m. b.	01.30-02.45	in 19, 73 m. b.

DAILY PROGRAMMES in different languages:
In 19, 24, 30 m bands:

Czech:	21.30 (Wedn.)	*Italian:*	21.30 (Sat.)
Dutch:	19.30 (Sun.) 21.30 (Frid.)	*Portuguese:*	13.30, 03.00 (ex. Mo.)
French:	21.15 (exc. (Mon.)	*Russian:*	21.00 (Sat., Sun.)
Greek:	20.15 (Sat.)	*Swedish:*	21.30 (Sun. and Tuesd.)
German:	19.45 (Sun.)		

Announcement: In *English:* "This is the Voice of the Andes, Radio Station HCJB, broadcasting from Quito, Ecuador S. A

Interval-Signal: Tone chimes f - c - c - a.

Message to Listeners: "HCJB, situated north of the town Quito, broadcasts programmes, which tell about Ecuadorian culture. The Programmes describes the beautiful nature, the great values of our country and our wish to promote the GOSPEL of the Lord Jesus Christ. From this station "La Voz de los Andes", we broadcast a message of Christian brotherhood to our friends all over the world and especially to the readers of "World Radio Handbook".

HC1IM — LA VOZ DE IMBURA, IBARRA

Daily Programmes in *Spanish* from 01.00-05.00.

HC2AX — LA VOZ DE VINCES, VINCES

Daily Programmes in *Spanish* from 02.00-04.00.

HCQRX — LA VOZ DE LA CAPITAL

Address: Radio Quito, "La Voz de la Capital", Empresa Editora El Comercio, Quito.
Daily Programmes in *Spanish* from 11.45-14.00, 16.30-19.30 and 22.00-03.45.

HC1AC — LA VOZ DE LA DEMOCRACIA

Address: Radiodifusora "La Voz de la Democracia", Calle León 780 y Oriente, Quito.
Leading Personalities: Owner and Director: Mr. Aziz Noe Mucarzel. Joint-Manager: Mr. Victor M. de Veintimilla.
Daily Programmes in *Spanish* from 12.00-14.30, 17.00-21.00 and 22.30-04.30.

HCBT — RADIO BOLIVAR

Address: Radio Bolivar, Quito.
Leading-Personalities: Owner: Carlos Mantilla Ortega, the newspaper "El Comercio".
Daily Programmes in *Spanish* from 13.00-15.00, 17.00-19.00 and 23.00-03.00.

HC2AJ — RADIODIFUSORA DEL ECUADOR

Address: Compania Radiodifusora del Ecuador, Guayaquil.
Daily Programmes in *Spanish* from 12.00-13.15, 17.00-19.00 and 23.00-04.00.

HC5AO — LA VOZ DEL TOMEBAMBA, CUENCA

Daily Programmes in *Portuguese* from 00.00-04.30.

HC1PM — "EL PALOMAR", QUITO

HC1FM — RADIO IBARRA, IBARRA

HC1MI — RADIO GRAN COLUMBIA, QUITO

HC2CM — RADIO IMAN, GUAYAQUIL
Daily Programmes in *Portuguese* from 01.00-05.00.

HC4FA — LA VOZ DE MANABI, MANTA
Daily Programmes in *Portuguese* from 02.00-04.30.

HC1BF — RADIO COMERCIAL, QUITO
Daily Programmes in *Portuguese* from 13.00-17.00, 18.00-20.00 and 23.00-05.00.

BRITISH GUIANA

Normal Clock Time — G. M. T. minus 3¾ hours.

Address: British Guiana United Broadcasting Co., Ltd., 30-32 New North Road, Bourda, Georgetown.

Leading Personalities: Manager: Mr. Peter J. Davis. Secretary: Mr. Albert E. Roberts.

Stations: "The Voice of Guiana."
ZFY 6000 kc/s 50.00 m 1 kW (to be increased to 3 kW)

Daily Programmes in *English:*
Weekdays: 10.45-12.45, 14.45-16.45, 19.45-00.45.
Sundays: 10.45-16.45, 19.45-00.45.

10.45 Music	20.00 News BBC
11.00 News BBC	22.15 Theatre
11.30 Music	22.45 Music
14.45 Music	23.00 News BBC
15.45 Music	23.10 Progr. Summary
16.00 News BBC	23.45 Music
16.30 Variety	00.15 Canada Broadcast
19.45 Music	00.30 Caribbean News

Announcement: "This is ZFY, the voice of Guiana, 6000 kilocycles."

Message to Listeners: "Let Radio broadcasting be the bridge of friendship rather then the instrument of propaganda between nations."

DUTCH GUIANA (Surinam)

Normal Clock Time — G. M. T. minus 3 hours 40 minutes.

Address: Algemeene Vereenigung voor Radio Omroep en Surinam (AVROS), Paramaribo.

Stations: Avros, Paramaribo.

PZH	5845 kc/s	51.33 m	0,35 kW
PCB	14950 kc/s	20.07 m	5 kW

Daily Programmes in Dutch:
PZH5 *Weekdays* from 13.00-14.30, 20.30-01.30.
Sundays from 13.30-15.30, 23.30-01.30.
PCB Daily from 21.00-22.30.

News: 23.15 (exc. Sat., Sund.) and 00.15.
Music: Weekdays from 20.30-21.30 and 00.30-01.30.
Sundays from 13.30-18.00 and 23.30-01.30.

Announcement: "AVROS Paramaribo."

PARAGUAY

Normal Clock Time — G. M. T. minus 4 hours.

ZPA1	6274 kc/s	47.81 m	3 kW
ZPA3	11870 kc/s	25.37 m	1 kW
ZPA5	11950 kc/s	25.10 m	5 kW

ZPA5-RADIO ENCARNACION
Address: Radio Encarnacion, Compania Paraguaya de Radiodifusion, Encarnacion.
Direction: Casilla de Correo 5522, Posadas, Misiones, Argentine.

Leading Personalities: President: Don Luis Peroni. Vice President and General Manager: Don Pedro D. Rebollo. Director: Don Jaime Yankelevich. Director of Programmes: Don Rolando Hanglin.

Daily Programmes from ZPA5 in *Spanish* from 11.30-18.30 and 20.30-00.45
Is linked with the Argentine radio net and transmits Belgranos programmes most of the time.

Announcement: Every fifteen minute indicating name of station.

Interval-Signal: Every fifteen minutes.

Message to Listeners: "We arrange broadcasts to all countries in the world on fixed dates".

ZPA1-RADIO NACIONAL DEL PARAGUAY
Address: Radio Nacional del Paraguay, Departemendo de Impresa y Propaganda, Ascuncion.

Daily Programmes from ZPA1 in *Spanish* from 15.00-17.00 and 22.00-04.00.

ZPA3-RADIO TELECO

Daily Programmes from ZPA3 in *Spanish* from 12.00-02.15.

PERU

Normal Clock Time — G. M. T. minus 5 hours.

Stations:

OAX-2A	6000 kc/s	50.00 m	0,25 kW
OAX-4V	6010 kc/s	49.92 m	0,5 kW
OAX-4Q	6020 kc/s	49.83 m	1 kW
OAX-6B	6035 kc/s	49.71 m	0,2 kW
OAX-6A	6042 kc/s	49.65 m	0,2 kW
OAX-6E	6055 kc/s	49.55 m	0,3 kW
OAX-4Z	6082 kc/s	49.33 m	15 kW
OAX-4H	6095 kc/s	49.22 m	1 kW
OAX-8C	6140 kc/s	48.86 m	0,3 kW
OAX-1A	6150 kc/s	48.78 m	0,2 kW
OAX-4B	6170 kc/s	48.62 m	0,1 kW
OAX-5E	6170 kc/s	48.62 m	0,3 kW
OAX-6G	6170 kc/s	48.62 m	0,2 kW
OAX-4G	6190 kc/s	48.47 m	0,25 kW
OAX-1B	6190 kc/s	48.47 m	0,4 kW
OAX-4P	6200 kc/s	48.39 m	0,25 kW
OAX-4W	9510 kc/s	31.55 m	0,5 kW
OAX-4J	9520 kc/s	31.51 m	0,25 kW
OAX-4K	9545 kc/s	31.42 m	0,2 kW
OAX-4T	9562 kc/s	31.37 m	10 kW
OAX-5C	9590 kc/s	31.28 m	0,15 kW
OAX-4R	15150 kc/s	19.80 m	10 kW

RADIO NACIONAL DEL PERU
Address: Radio Nacional del Peru, Av. Petit Thouars 441, Lima.
Stations: Radio Nacional del Peru.

OAX-4Z	6082 kc/s	49.33 m	15 kW
OAX-4T	9562 kc/s	31.37 m	10 kW
OAX-4R	15150 kc/s	19.80 m	10 kW

Daily Programmes in *Spanish* from 12.45-14.00, 16.00-19.00 and 23.00-04.30.
Official *News* at 01.00 and 03.00.

OAX4Q — RADIO VICTORIA
Address: Radio Victoria, Andrade Bajos de "La Cabana", Lima.
Leading Personalities: Owner and General Manager: José E. Cavero.
Daily Programmes in *Spanish* from 12.30-05.00 (Sat. 06.00).
Announcement: "OAX-4X y OAX-4Q, Radio Victoria del Peru."
Interval-Signal: The first five bars of Beethoven's 5th Symphony.
Message to Listeners: "We endeavour to present for the listeners our best national and foreign artists, who make their debut at the principal theatres in our capital."

OAX2A — RADIO TRUJILLO — OAX4V, OAX4W — RADIO AMERICA
Address: Cia Peruana de Radiodifusora, Jiron Ocona 476, Lima.
Daily Programmes in *Spanish:*
OAX2A: Weekd.: 16.00-19.00, 23.00-04.30. Sun. 16.00 05.00.
OAX4V: 12.55-04.45.
OAX4W: 12.55-04.45.

OAX6B — RADIO LANDA, AREQUIPA
Address: Maximo J. Landa, Calle Sucre 409, Arequipa.
Daily Programmes in *Spanish* from 16.00-19.00 and 22.30-04.30.

OAX6A — RADIO AREQUIPA
Address: La Merced 116, Arequipa.
Daily Programme in *Spanish* from 16.00-18.00 and 22.30-05.00.

OAX6E — RADIO CONTINENTAL
Address: J. Antonio Umbert F., 30 Piso, Teatro Municipal, Arequipa.
Daily Programmes in *Spanish* from 16.00-05.00.

OAX7A — RADIO CUSCO
Address: Carlos Lizarraga Fisher, Montes 43, Cusco.
Daily Programmes in *Spanish* from 23.00-04.00.

OAX4H — RADIO MUNDIAL
Address: Jiron Union 733, Lima.
Daily Programmes in *Spanish* from 12.30-05.00 (Sat. 06.00).

OAX4K — RADIO CENTRAL
Address: Ingo Juan P. Goicocha, Jiron Union 1038, Lima.
Daily Programmes in *Spanish* from 12.30-05.00 (Sat. 06.00).

OAX8C	6140 kc/s	48.86 m	0,3 kW und. constr.	Radio Central Iquitos
OAX6G	6170 kc/s	48.62 m	0,2 kW und. constr.	

OAX4B — RADIO AZUL, EMPRESA RADIODIFUSORA, CERRO DE PASCO
Daily Programmes in *Spanish* from 23.00-04.30.

OAX1A — RADIO DELCAR CHICLAYO

OAX1B — RADIO PIURA, PIURA
Address: J. Carlos Montjoy D., Saenz Pena 109, Chiclayo.
Daily Programmes in *Spanish:*
OAX1A: Weekd.: 16.00-19.00 and 23.00-04.30.
Sun.: 23.00-04.30.
OAX1B: 23.00-04.30.

OAX5E — RADIO CHINCHA
Address: Gonzales Jordan Canepa, Los Angeles, Chincha.
Daily Programmes in *Spanish* from 23.00-04.30.

OAX4G — RADIO LIMA
Address: Avenue Uruguay 355, Lima.
Daily Programmes in *Spanish* from 13.00-05.00 (Sat. 06.00).

OAX4P — RADIO HUANCAYO
Address: Alfredo Elejalde Granados, Calle Real, Huancayo.
Daily Programmes in *Spanish* from 16.30-19.00 and 01.00-04.30.

OAX4J — RADIO COLONIAL
Address: Plumereous 372-altos, Lima.
Daily Programmes in *Spanish* from 12.30-05.00.

OAX5C — RADIO UNIVERSAL
Address: Raul Claux Budge, Loreto 124/128, Ica.
Daily Programmes in *Spanish* from 16.30-19.00 and 22.00-04.30.

OAX6A — RADIO TACNA, TACNA. (Under construct.).
Address: Jon Caceres Bernal, Bolivar 624, Tacna.

URUGUAY

Normal Clock Time — G. M. T. minus 3½ hours.

Stations:

CXA-30	6035 kc/s	49.71 m	1 kW
CXA-14	6055 kc/s	49.55 m	5 kW
CXA-13	6155 kc/s	48.74 m	10 kW
CXA-3	6075 kc/s	49.38 m	2,5 kW
CXA-4	6125 kc/s	48.98 m	10 kW
CXA-21	6170 kc/s	48.62 m	1 kW
CXA-6	9620 kc/s	31.19 m	20 kW
CXA-8	9640 kc/s	31.12 m	3 kW
CXA-7	11735 kc/s	25.56 m	5 kW
CXA-19	11835 kc/s	25.35 m	5 kW
CXA-10	11895 kc/s	25.22 m	20 kW
CXA-18	15300 kc/s	19.60 m	20 kW

RADIO ELECTRICA
Address: Servicio Official de Difusion Radio Electrica (S.O.D.R.E.) Andes 1465, Montevideo.

Leading Personalities: President: Doctor Ernesto Llovet. Vice-President: Doctor Jose Maria Delgado. Secretary: Doctor A. Osvaldo Santini. Director-General: Don Hector M. Laborde. Chief Engineer: Don Dante Tartaglia.

Stations: Radio Electrica.

CXA 4	6125 kc/s	48.98 m	10 kW
CXA 6	9620 kc/s	31.18 m	20 kW
CXA 10	11895 kc/s	25.22 m	20 kW
CXA 18	15300 kc/s	19.60 m	20 kW

Daily Programmes in *Spanish:*
CXA 6 from 14.45 (14.30 Mon., Fri.)-17.00 (17.15 Mon., Fri.) and 20.00-02.05.
CXA 10 from 17.00-17.30 (Sun.) and 00.00-02.05.

15.00 News	20.15 Music, Talk
15.15 Music	23.45 News
16.00 Music	00.00 Music
20.00 News	02.00 News

English by Radio: 14.45-17.00 (Mon., Wedn., Fri.).

Highlights of Programmes:
Symphony Concert: 21.20-23.00 Saturdays.
Symphony Concert: 21.30-23.00 Thursdays.

Announcement: "Estacion Official del Estado, Servicio Official de Difusion Radio Electrica, CXA 6 y CXA 7.

Message to Listeners: "The object of the Official Broadcasting Service (SODRE) is to cultivate and elevate public interest by means of its broadcasts and artistic performances of high rank, inspired by a desire for spiritual perfection and to strenghten sincere bonds of friendship between nations."

CXA19, CXA18 — RADIO EL ESPECTADOR
Address: Radio El Espectador, Difusoras del Uruguay S. A. 18 de Julio 1393, Montevideo, Uruguay.

Leading Personalities: President: Lorenzo F. Balerio Sicco. General Manager: Jorge Cubilo. Director: Walter B. Alfars. Chief Engineer: R. Danilo Valverde.

Daily Programmes in *Spanish* from 11.00-03.00.

11.15 News	16.35 French
16.00 Commentary	01.35 News
16.15 News	02.30 News

Time between news and commentaries in covered with music, either transcribed or by our own orchestras.

Announcement: "Difusoras el Espectador de Montevideo, CX14 y CXA19."

Message to Listeners: "Under the Southern Cross vibrates in the voice of "El Espectador" the fervent wish for and the ratification of the Liberty of Man. The first democratic tribune in Uruguay, dedicated in body and soul to fight for the right of liberty of speech and expression.

CXA21 — RADIO FENIX
Address: 18 de Julio 965, Montevideo.
Daily Programmes in *Spanish* from 22.00-01.00.

CXA30 — RADIO NACIONAL
Address: 18 de Julio 1764, Montevideo.
Daily Programmes in *Spanish* from 15.00-17.00, 20.00-01.00.

CXA8 — RADIO REAL DE SAN CARLOS
Address: Radio Real de San Carlos, Flores 30, Colonia.
Daily Programmes in *Spanish* from 11.00-14.00, 22.00-03.00.

CXA3 — RADIO ARIEL
Address: Radio Ariel, 18 de Julio 1277, Montevideo.
Daily Programmes in *Spanish* from 10.00-12.00, 14.00-16.45 and 19.45-24.00.

CXA13 — RADIO CARVE MONTEVIDEO
Daily Programmes in *Spanish* from 11.00-03.00.

CXA14 — MINISTERIO DE CANADERIA Y AGRICULTURA, MONTEVIDEO

CXA4 — RADIO DEL ESTADO, MONTEVIDEO

CXA7 — RADIO ORIENTAL, MONTEVIDEO

VENEZUELA

Normal Clock Time — G. M. T. minus 4½ hours.

Stations:

YV-1RO	3310 kc/s	90.63 m	0,625 kW
YV-5RS	3360 kc/s	89.29 m	0,950 kW
YV-1RT	3370 kc/s	89.02 m	0,455 kW
YV-5RY	3380 kc/s	88.76 m	1 kW
YV-4RK	3390 kc/s	88.50 m	0,3 kW
YV-5EW	3400 kc/s	88.24 m	0,75 kW
YV-2RC	3420 kc/s	87.72 m	0,3 kW
YV-5RX	3505 kc/s	85.95 m	1,75 kW
YV-1RU	3440 kc/s	87.21 m	0,7 kW
YV-6RC	3450 kc/s	86.96 m	1 kW
YV-4RP	3460 kc/s	86.71 m	0,7 kW
YV-4RQ	3480 kc/s	86.21 m	0,575 kW
YV-3RS	3490 kc/s	85.96 m	0,650 kW
YV-7RB	4370 kc/s	68.65 m	1 kW
YV-1RV	4750 kc/s	63.16 m	0,2 kW
YV-5RV	4760 kc/s	63.03 m	0,227 kW
YV-1RY	4770 kc/s	62.89 m	0,215 kW
YV-4RO	4780 kc/s	62.76 m	0,195 kW
YV-6RU	4790 kc/s	62.63 m	0,620 kW
YV-1RX	4800 kc/s	62.50 m	2 kW
YV-1RL	4810 kc/s	62.37 m	0,227 kW
YV-2RN	4830 kc/s	62.11 m	1,3 kW
YV-1RZ	4840 kc/s	62.00 m	0,315 kW
YV-5RA	4860 kc/s	61.73 m	7,5 kW
YV-5RM	4890 kc/s	61.30 m	5 kW
YV-5RN	4920 kc/s	60.98 m	7,5 kW
YV-3RN	4990 kc/s	60.12 m	4 kW
YVKC	7400 kc/s	40.05 m	10 kW
YVKC	9640 kc/s	31.12 m	10 kW
YVKC	10080 kc/s	29.76 m	10 kW

YV5RA — ONDAS POPULARES
Address: Ondas Populares, Caracas.
Daily Programmes in *Spanish* from 10.30-03.30.

YVKC — RADIODIFUSORA NACIONAL CARACAS
Daily Programmes in *Spanish* from ca. 00.00-03.00.

YV5RN — RADIO CARACAS, CARACAS
Daily Programmes in *Spanish* Weekdays from 10.30-03.30 Sundays from 12.30-03.30.

YV5RM — RADIODIFUSORA VENEZUELA, CARACAS
Daily Programmes in *Spanish* from 22.30-03.30.

YV3RN — RADIO BARAQUISIMETO, BARAQUISIMETO
Daily Programmes in *Spanish* from 11.30-03.30.

YV1RO — RADIO TRUJILLO, TRUJILLO
Daily Programmes in *Spanish* from 22.00-02.30.

YV5RS — RADIO LIBERTADOR, CARACAS
Daily Programmes in *Spanish* from 22.30-03.30.

YV1RT — LA VOZ DE LA FE, MARACAIBO
Daily Programmes in *Spanish* from 22.30-03.30.

YV5RY — RADIO CONTINENTE
Address: Bolsa a Padre Sierra 22, Caracas.
Leading Personalities: General Manager: Mr. Juan Francisco Rodriquez.
Daily Programmes in *Spanish* from 14.30-03.30.

YV4RK — RADIO MARACAY, MARACAY
Daily Programmes in *Spanish* from 23.00—03.30.

YV5RW — RADIO TROPICAL, CARACAS
Daily Programmes in *Spanish* from 23.00—03.30.

YV2RC — LA VOZ DE LA SIERRA, MERIDA
Daily Programmes in *Spanish* from 22.00-02.30.

YV5RX — LA VOZ DE LA PATRIA, CARACAS
Daily Programmes in *Spanish* from 23.30-03.30, 11.00-12.00.

YV1RU — RADIO MARA, MARACAIBO
Daily Programmes in *Spanish* from 00.00-02.30.

YV6RC — EMISORAS UNIDAS, BARCELONA
Daily Programmes in *Spanish* from 23.00-02.30.

YV4RP — RADIO VALENCIA, VALENCIA
Daily Programmes in *Spanish* from 01.00-02.30.

YV4RQ — RADIO PUERTO CABELLO, PUERTO CABELLO
Daily Programmes in *Spanish* from 22.00-02.30.

YV3RS — RADIODIFUSORA OCCIDENTAL, BARAQUISIMETO
Daily Programmes in *Spanish* from 21.30-02.30.

YV7RB — RADIO SUCRE, CUMANA

YV1RV — ECOS DEL ZULIA MARACAIBO
Daily Programmes in *Spanish* from 23.00-02.30.

YV5RV — EMISORAS VARGAS, LA GUAIRA
Daily Programmes in *Spanish* from 22.30-02.30.

YV1RY — RADIO CORO, CORO
Daily Programmes in *Spanish* from 21.00-03.00.

YV4RO — LA VOZ DE CARABOBO, VALENCIA
Daily Programmes in *Spanish* from 21.30-02.30.

YV6RU — ECOS DEL ORINOCO, CIUDAD BOLIVAR
Daily Programmes in *Spanish* from 22.00-02.30.

YV1RX — ECOS DEL LAGO, MARACAIBO
Daily Programmes in *Spanish* from about 01.30-03.30.

YV1RL — RADIO POPULAR, MARACAIBO
Daily Programmes in *Spanish* from 23.30-04.00.

YV2RN — LA VOZ DEL TACHIRA, San CHRISTOBAL
Daily Programmes in *Spanish* from 16.00-02.00.

YV1RZ — RADIO VALERA, VALERA
Daily Programmes in *Spanish* from 21.30-02.45.

YV6RD — LA VOZ DE GUYANA, CIUDAD BOLIVAR
Daily Programmes in *Spanish* from 22.00-04.00.

YV5RD — RADIO CULTURA, CARACAS
Daily Programmes in *Spanish* from 15.30-03.30.
Announcement: "Esta es la Radio Cultura en Caracas."

Bernic

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LONG- AND MEDIUM-WAVE STATIONS

European—North Africa — Near East.

kc/s	Metres	kW	Station	kc/s	Metres	kW	Station
153	1961	120	**North West** — U. S. S. R.	564	531	0,4	**Potsdam**—Germany: U. S. S. R. Z.
155	1935	10	**Prague I** — Czechoslovakia	565	531	20	**Kirschinew** — U. S. S. R.
160	1875	150	**Lahti** — Finland	574	522	100	**Stuttgart** — Germany: U. S. Zone
160	1875	150	**Bucarest** — Roumania	574	522	20	**Jerusalem II** — Palestine
167	1796	50	**Ottringham** — Gt. Brit.	583	514	20	**Riga** — U. S. S. R.
174	1724	150	**Moscow** — U. S. S. R.	583	514	20	**Krasnodar** — U. S. S. R.
182	1648	120	**Ankara** — Turkey	583	514	20	**Droitwitch** — Gt. Brit.
191	1571	100	**Berlin** — Germany: U. S. S. R. Zone	592	506	10	**Vienna I** — Austria: U. S. S. R. Z.
195	1546	50	**Tschita** — U. S. S. R.	592	506	2	**Damascus** — Syria
200	1500	150	**Droitwitch** — Gt. Brit.		501	20	**Astrachan** — U. S. S. R.
200	1500	100	**South-West** — U. S. S. R.	601	499	15	**Athens** — Greece
208	1442	100	**Leningrad** — U. S. S. R.	601	499	1	**Bremen** — Germany: U. S. Zone
216	1389	150	**Motala** — Sweden	601	499	25	**Rabat I** — Marocco
218	1379	50	**Baku** — U. S. S. R.	601	499	10	**Sundsvall** — Sweden
218	1379	50	**Novosibirsk**	605	495	25	**Sarajevo** — Yugoslavia
224	1339	10	**Warsaw II** — Poland	610	491	10	**Paris (Club d'Essai)** — France
225	1321	50	**Jakutsk** — U. S. S. R.	610	491	100	**Florence I** — Italy
232	1293	150	**Luxembourg**	610	491	20	**Berlin** — Germany: U. S. Zone
232	1293	100	**Moscow** — U. S. S. R.	615	487	1	**Eidar** — Iceland
240	1250	60	**Kalundborg** — Denmark	620	483	20	**Cairo I** — Egypt
248	1210	50	**Kiew** — U. S. S. R.	620	483	20	**Brussels I** — Belgium
253	1186	10	**Bodoe** — Norway	629	476	50	**Lisbon I** — Portugal
260	1154	60	**Oslo** — Norway	629	476	20	**Kristiansand** — Norway
260	1154	20	**Bergen I** — Norway	629	476	20	**Vigra (Aalesund)** — Norway
269	1115	50	**Minsk** — U. S. S. R.	629	476	1	**Linz KOFA** — Austria: U. S. Zone
270	1111	50	**Irkutsk** — U. S. S. R.	629	476	20	**Habarovsk** — U. S. S. R.
271	1107	100	**Reykjavik** — Iceland	629	476	10	**Zagreb** — Yugoslavia
271	1107	100	**Leningrad** — U. S. S. R.	638	470	120	**Praque I (Liblice)** — Czechosl.
283	1060	50	**Kasan** — U. S. S. R.	648	463	100	**Limoges - Nieul I** — France
292	1027	10	**Tromsoe** — Norway	640	463	50	**Stalingrad** — U. S. S. R.
296	1014	1	**Katowice** — Poland	657	455	100	**Norden** — Germany: (B. B. C.s European Service)
310	968	1	**Joensuu** — Finland				
340	882	50	**Saratov** — U. S. S. R.	668	449	100	**Moorside Edge** — Gt. Brit.
347	865	1	**Finmark (Vadsoe)** — Norway	674	445	0,2	**Kabul** — Afghanistan
350	857	50	Common wavelength for three stations — U. S. S. R.	677	443	10	**Grosny** — U. S. S. R.
				677	443	100	**Sottens** — Switzerland
355	845	1	**Bergen II** — Norway	677	443	20	**Jerusalem I** — Palestine
356	843	—	Common wavelength for five stations — U. S. S. R.	686	437	20	**Belgrade** — Yugoslavia
				686	437	15	**Madrid EAJ 7** — Spain
370	810	20	**Sverdlovsk** — U. S. S. R.	695	431	1	**Rome** — Italy: A. F. N.
385	779	50	**Kharkov** — U. S. S. R.	695	431	20	**Saransk** — U. S. S. R.
385	779	10	**Petropavlovsk** — U. S. S. R.	695	431	100	**Paris I National** — France
392	765	25	**Banska Bystrica** — Czechosl.	704	426	55	**Stockholm** — Sweden
392	765	10	**Luleå** — Sweden	704	426	0.2	**Malmberget** — Sweden
395	759	10	**Omsk** — U. S. S. R.	704	426	60	**Andorra** — Andorra la Vieja
415	722	10	**Oestersund** — Sweden	704	426	20	**Skoplje** — Yugoslavia
433	693	10	**Oulu (Uleåborg)** — Finland	713	420	100	**Rome I** — Italy
514	583	15	**Pizen** — Czechoslovakia	713	420	20	**Birobijansk** — U. S. S. R.
519	578	1	**Hamar** — Norway	722	415	10	**Stavropol** — U. S. S. R.
519	578	2	**Innsbruck** — Austria: French Z.	722	415	120	**Berlin** — Germany: U. S. S. R.
519	578	6	**Vorarlberg/Dornbirn** — Austria French Zone	722	415	20	**Lisbon II** — Portugal
				722	415	60	**Hilversum II** — Holland
527	569	20	**Kuopio** — Finland	730	411	4	**Beyrouth** — Lebanon
527	569	12	**Ljublana** — Yugoslavia	731	410	5	**Sevilla EAJ 5** — Spain
536	559	20	**Bolzano** — Italy	731	410	20	**Tallinn** — U. S. S. R.
536	559	5	**Sardegna** — Italy: Autonome	731	410	10	**Monte Carlo** — Monaco
536	559	50	**Wilna** — U. S. S. R.	731	410	10	**Ischevsk** — U. S. S. R.
546	549	50	**Budapest I** — Hungary	740	405	100	**Munich Nuremberg** — Germany: U. S. Zone
556	539	100	**Beromunster** — Switzerland				
556	539	20	**Rostow** — U. S. S. R.	749	400	20	**Marseilles I** — France
565	531	100	**Athlone** — Eire	749	400	10	**Vaasa** — Finland
565	531	0,75	**Klagenfurt** — Austria: B. F. N.	758	395	50	**Warsaw I** — Poland
565	531	0.5	**Graz** — Austria: B. F. N.	758	395	3,5	**Madrid EAJ 2** — Spain
565	531	12	**Palermo** — Italy	767	391	20	**Kuybischev** — U. S. S. R.
564	531	1,5	**Dresden** — Germany: U. S. S. R. Z.	767	391	1	**Sofia II** — Bulgaria

kc/s	Metres	kW	Station
767	391	60	**Burghead (Scotland)** — Gt. Brit.
767	391	60	**Westerglen (Scotland)** — Gt. Brit.
767	391	1	**Vatican City** — Italy
767	391	2,5	**Aberdeen (Scotland)** — Gt. Brit.
769	390	2	**Aleppo** — Syria
776	386	10	**Paris II (Parisienne)** — France
776	386	10	**Stalino** — U. S. S. R
785	382	120	**Leipzig** — Germany: U. S. S. R. Z.
795	377	9	**Barcelona EAJ I** — Spain
804	373	60	**Washford** — Gt. Brit.
804	373	10	**Penmon** — Gt. Brit.
804	373	1	**Wrexham** — Gt. Brit.
804	373	2	**Saloniki** — Greece
814	368	50	**Milan I** — Italy
823	364	12	**Bucarest I** — Roumania
823	364	60	**Tunis** — Tunisia
823	364	20	**Troendelag** — Norway
827	362	10	**Freiburg** — Germany: French Z.
832	360	100	**Moscow** — U. S. S. R.
832	360	0,05	**Grenoble II** — France
832	360	10	**Quimper-Quimerch** — France
832	360	0,1	**Gjirokatra** — Albania
832	360	100	**Moscow** — U. S. S. R.
835	359	0,75	**Tlemcen** — Algeria
841	356	100	**Berlin** — Germany: U. S. S. R. Zone
850	352	100	**Sofia I** — Bulgaria
850	352	30	**Zaragoza EAJ 101** — Spain
850	352	100	**Stavanger** — Norway
859	349	10	**Strasbourg I** — France
868	345	6	**Poznan** — Poland
868	345	1	**Rabat II** — French Marocco
868	345	0,8	**Vienna** — Austria B. F. N.
868	345	1	**Tunis** — Tunisia
868	345	10	**Brussels IV** — Belgium
877	342	70	**Brookman's Park London** —
886	338	100	**Alpenland** — Austria: British Zone
895	336	2	**Teheran** — Iran
895	335	20	**Lyon I** — France
895	335	40	**Turku (Abo)** — Finland
904	331	100	**Hamburg/Cologne** — Germany: British Zone .
913	328	100	**Toulouse I** — France
922	325	100	**Brno Dobrochov** — Czechosl.
922	325	20	**Brno Komarov** — Czechosl.
932	321	20	**Brussels II** — Belgium
941	318	10	**Goeteborg** — Sweden
941	318	12	**Algiers** — Algeria
950	315	50	**Wroclaw I** — Poland
959	312	10	**Nancy** — France
960	309	100	**Moscow** -- U. S. S. R.
961	312	1	**Namsos** — Norway
968	309	20	**Pau** — France
968	309	10	**Odessa** — U. S. S. R.
968	309	20	**Coruna** — Spain
977	307	100	**Start Point** — Gt. Brit.
986	304	1	**Bygoszcz** — Poland
986	304	10	**Milan II** — Italy
986	304	5	**Genoa II** — Italy
986	304	20	**Turin II** — Italy
986	304	24	**Torun** — Poland
995	301	100	**Hilversum I** — Holland
1004	298	50	**Bratislava** — Czechoslovakia
1004	298	1	**Casablanca** — Fr. Marocco
1013	296	60	**Droitwich** — Gt. Brit.
1013	296	1	**Norwich** — Gt. Brit.
1022	293	10	**Cracow** — Poland
1022	293	120	**Madrid Arganda** — Spain
1022	293	1,5	**Madrid Local** — Spain
1031	291	50	**Coblenz** — Germany: French Zone
1031	291	20	**Weimar** — Germany: U. S. S. R. Zone
1040	288	5	**Bucarest II** — Roumania
1040	288	8	**Budapest II** — Hungary
1040	288	10	**Leningrad** — U. S. S. R.
1040	288	20	**Rennes I** — France
1050	285	100	**Stagshaw** — Gt. Brit.
1050	285	100	**Lisnagarwey** — Gt. Brit.
1050	285	1	**Londonderry** — Gt. Brit.
1059	283	20	**Bari I** — Italy
1068	280	1	**Dijon** — France
1068	280	20	**Parede** — Portugal
1068	281	1	**Vienna** — Austria: U. S. Zone
1068	280	1,5	**San Sebastian** — Spain
1068	280	1	**Naples II** — Italy
1068	280	1	**Bologna II** — Italy
1077	278	1	**Bordeaux II** — France
1086	276	100	**Falun** — Sweden
1087	276	0,15	**Constantin I** — Algeria
1089	276	20	**Belgrade II** — Yugoslavia
1095	274	10	**Hannover** — Germany: B. F. N.
1095	274	1	**Berlin** — Germany: B. F. N.
1095	274	20	**Langenberg** — Germany: B. F. N.
1095	274	10	**Elmshorn** — Germany: B. F. N.
1104	271	5	**Florence II** — Italy
1104	271	5	**Catania** — Italy
1104	271	1,3	**Salzburg** — Austria U. S. Zone
1113	269	60	**Prague II (Mélnik)** — Czechosl.
1113	269	10	**Algiers II** — Algeria
1113	269	20	**Limoges-Nieul II** — France
1122	267	60	**Crowborough** — Gt. Brit.
1123	267	1	**Barcelona EAJ 15** — Spain
1131	265	100	**Hörby** — Sweden
1131	265	2,5	**Bilbao EAJ 28** — Spain
1131	265	1	**Vatican City** — Italy
1140	263	10	**Trieste** — Italy (Autonome)
1140	263	0,25	**Liége** — Belgium
1149	261	60	**Brookmans Park** — Gt. Brit.
1149	261	60	**Moorside Edge** — Gt. Brit.
1149	261	60	**Westerglew** — Gt. Brit.
1149	261	20	**Burghead** — Gt. Brit.
1149	261	10	**Lisnagarvey** — Gt. Brit.
1149	261	10	**Stagshaw** — Gt. Brit.
1149	261	2	**Aberdeen** — Gt. Brit.
1149	261	2	**Redruth** — Gt. Brit.
1149	261	1	**Plymouth** — Gt. Brit.
1149	261	1	**Londonderry** — Gt. Brit.
1158	259	11	**Moravska Ostrava** — Czechosl.
1158	259	10	**Montbeliard** — France
1158	259	0,05	**Montpellier II** — France
1167	257	15	**Monte Ceneri** — Switzerland
1176	255	30	**Copenhagen** — Denmark
1176	255	2	**Tatry** — Czechosl.
1185	253	60	**Nice** — France
1195	251	60	**Frankfurt** — Germany: U. S. Zone
1195	251	0,5	**Kassel** — Germany: U. S. Zone
1200	240	0,1	**Korca** — Albania
1204	249		~~**Bayreuth** — Germany: A. F. N.~~
1213	247	20	**Lille I** — France
1222	245	1	**Porsgrunn** — Norway
1222	245	20	**Venice** — Italy
1222	245	3,5	**Groningen** — Holland
1222	245	2	**Maastricht** — Holland
1230	244	10	**Tangier** — Tangier
1231	243	20	**Schwerin** — Germany: U. S. S. R. Zone
1231	243	10	**Gleiwitz** — Poland
1231	243	10	**Katowice** — Poland

kc/s	Metres	kW	Station
1240	241	5	**Sigmaringen** — Germany: French Zone
1240	241	1	**Cork** — Eire
1249	240	0,2	**Bone** — Algeria
1249	240	100	**Munich** — Germany: U. S. Zone
1249	240	100	**Stuttgart** — Germany: U. S. Zone
1255	239	0,2	**Oran II** — Algeria
1258	238	5	**Rome II** — Italy
1258	238	2	**Valenzia EAJ 3** — Spain
1258	238	0,25	**Udine** — Italy
1260	238	0,2	**Asturias EAJ 19** — Spain
1267	236	5	**Salzburg** — Austria: U. S. Zone
1276	235	2	**Varna** — Bulgaria
1276	235	10	**Fredrikstad** — Norway
1285	233	5	**Brussels III** — Belgium
1285	233	7	**Klagenfurt** — Austria: British Z.
1285	233	15	**Graz** — Austria: British Zone
1294	231	15	**Linz** — Austria: U. S. Zone
1294	231	1	**Notodden** — Norway
1294	231	0,2	**Barcelona** — EAJ 39 — Spain
1300	230	0,2	**Vallaloid EAJ 47** — Spain
1303	230	20	**Halle** — Germany: U. S. S. R. Z.
1303	230	10	**Gdansk** — Poland
1303	230	50	**Bologna** — Italy
1312	228	5	**Naples I** — Italy
1312	228	2,5	**Malmoe** — Sweden
1312	228	0,25	**Karlstad** — Sweden
1312	228	0,25	**Norrköping** — Sweden
1312	228	0,25	**Trollhättan** — Sweden
1312	228	10	**Vienna II** — Austria: U. S. S. R. Z.
1321	227	20	**Clermont** — France
1321	227	5	**Lisbon (Renascenca)** — Portugal
1321	227	0,4	**Magyarovar,** — Hungary
1330	225	2,5	**Flensburg** — Germany: British Z.
1330	225	10	**Hannover** — Germany: British Z.
1330	225	2,5	**Berlin** — Germany: British Zone
1339	224	10	**Lodz** — Poland
1339	224	10	**Marseilles II** — France
1339	224	25	**Lyon Dardilly** — France
1348	222	2	**Dublin** — Eire
1348	222	2	**Porto (Renascenca)** — Portugal
1348	222	5	**San Remo** — Italy
1348	222	1	**Bari II** — Italy
1348	222	1	**Verona** — Italy
1348	222	2	**Saarbrucken** — Germany: French Zone
1348	222	1	**Perpignan** — France
1348	222	1	**Poitiers** — France
1348	222	0,05	**Vannes** — France
1348	222	1	**Montelimar** — France
1349	222	10	**Cairo II** — Egypt.
1348	222	0,2	**Kiruna** — Sweden
1348	222	0,4	**Saeffle** — Sweden
1348	222	0,2	**Varberg** — Sweden
1348	222	0,2	**Oerebro** — Sweden
1350	222	1	**Vatican City** — Italy
1357	221	0,25	**Rjukan** — Norway
1357	221	10	**Genoa I** — Italy
1357	221	80	**Turin I** — Italy
1366	219	5	**Ceské Budéjovice** — Czechosl.
1366	219	20	**Herford** — Germany: B. F. N.
1366	219	10	**Nantes** — France
1375	218	0.5	**Basel** — Switzerland
1377	218	10	**Hilversum II** — Holland
1384	216	1	**Szczecin (Stettin)** — Poland
1384	216	20	**Clevedon** — Gt. Brit.
1384	216	10	**Bartley** — Gt. Brit.
1393	215	5	**Rouen** — France
1393	215	10	**Montpellier I** — France
1393	215	15	**Grenoble I** — France
1393	215	25	**Nice Antibes** — France
1393	215	40	**Bordeaux I** — France
1402	214	2	**Stara Zagora** — Bulgaria
1402	214	1	**Umeå** — Sweden
1402	214	0,5	**Eskilstuna** — Sweden
1402	214	1	**Hudiksvall** — Sweden
1402	214	0,5	**Haelsingborg** — Sweden
1402	214	0,07	**Porjus** — Sweden
1402	214	0,5	**Visby** — Sweden
1402	214	0,5	**Oernskoeldsvik** — Sweden
1411	213	1	**Frankfurt** — Germany: A. F. N.
1411	212	10	**Porto** — Portugal
1411	212	0.05	**Uddevalla** — Sweden
1420	211	1	**Berlin** — Germany: A. F. N.
1420	211	10	**Helsinki** — Finland
1429	210	1	**Pori (Bjoerneborg)** — Finland
1429	210	0,3	**Asturias FET 22** — Spain
1429	209	2,5	**Bremen** — Germany: A. F. N.
1429	209	1	**Oran I** — Algeria
1429	209	2	**Montcau-les-mines** — France
1429	209	2	**Strasbourg II** — France
1429	209	0,05	**Rennes** — France
1429	209	2	**Nimes** — France
1429	209	0,5	**Coimbra** — Portugal
1429	209	1	**Vienna** — Austria: U. S. Zone
1435	209	0,1	**Palma de Mallorca EAJ 13** — Spain
1438	208	2	**Kosice** — Czechosl.
1438	208	0,75	**Constantin II** — Algeria
1438	208	1,25	**Miskole** — Hungary
1447	207	9	**Castilla EAJ 27** — Spain
1447	207	0,15	**Santiago EAJ 4** — Spain
1447	207	0,5	**Granada EAJ 16** — Spain
1447	207	0,5	**Borås** — Sweden
1447	207	0,2	**Kalmar** — Sweden
1449	207	0,5	**Cordoba EAJ 24** — Spain
1456	206	1	**Nancy II** — France
1456	206	1	**Angers** — France
1456	206	1	**Toulouse II** — France
1456	206	1,5	**Lille II** — France
1456	206	1	**Dijon II** — France
1456	206	0,05	**Sant Brieux** — France
1456	206	1	**Limoges III** — France
1465	204	5	**Kaiserslautern** — Germany: French Zone
1465	204	1,25	**Pecs** — Hungary
1465	204	0,2	**Antwerp** — Belgium
1465	204	0,2	**Ghent** — Belgium
1474	203		**Synchronised low power stations** — Gt. Brit.
1483	202	0,2	**Courtrai** — Belgium
1483	202	0,2	**Hasselt - Limbourg** — Belgium
1492	201	0,3	**Namur** — Belgium
1492	201	0,25	**Hainaut** — Belgium
1492	201	5	**Mesina** — Italy
1492	201	0,25	**Ancona** — Italy
1492	201	0,2	**Halmstad** — Sweden
1492	201	0,2	**Uppsala** — Sweden
1492	201	0.2	**Syncronised low power St.** — Spain
1500	200	0,05	**Bremerhaven** — Germany: A. F. N.
1500	200	1	**Pietersaari (Jakobstad)** — Finland
1500	200	0,2	**Gaevle** — Sweden
1500	200	0,2	**Kristinehamn** — Sweden
1500	200	1	**Tirana** — Albania
1500	200	0,2	**Syncronised low power St.** — Spain
1515	198	0,2	**Joenkoeping** — Sweden
1522	197	1	**Tampere (Tammerfors)** — Finland
1530	196	0,5	**Karlskrona** — Sweden
1547	193	0,2	**12 low power Stations** — Portugal

SHORT-WAVE STATIONS OF THE WORLD

No call signs are given for the U. S. A. shortwave stations because, as mentioned under U. S. A. these are not permanently connected with any particular frequency but are sometimes linked with one and sometimes another. See further under U. S. A.

kc/s	Metres	kW	Station	
2600	115.3	YDD	0,25	**Batavia** — Java
2880	104.2	GRC	50,0	**London** — Gt. Britain
3024	99.20	YDA	5	**Bandoeng** — Java
3240	92.59	YDI	0,25	**Soerabaia** — Java
3310	90.63	YV1RO	0,63	**Trujillo** — Venezuela
3320	90.36		1,5	**Gwelo** — South Rhodesia
3320	90.36	ZJM3	7,5	**Sharq al Adna** — Palestine
3360	89.29	YV5RS	0,95	**Caracas** — Venezuela
3370	89.02	YV1RT	0,46	**Maracaibo** — Venezuela
3380	88.76	YV5RY	1	**Caracas** — Venezuela
3390	88.50	YV4RK	0,3	**Maracay** — Venezuela
3395	88.30	ZOJ	7,5	**Colombo** — Ceylon
3400	88.24	YV5RW	0,75	**Caracas** — Venezuela
3420	87.72	YV2RC	0,3	**Merida** — Venezuela
3440	87.21	YV1RU	0,7	**Maracaibo** — Venezuela
3450	86.97		5	**Johannesburg III** — South Africa
3450	86.96	YV6RC	1	**Barcelona** — Venezuela
3460	86.71	YV4RP	0,7	**Valencia** — Venezuela
3480	86.21	YV4RQ	0,6	**Puerto Cabellero** — Venezuela
3490	85.96	YV3RS	0,65	**Barquisimeto** — Venezuela
3490	85.96	CR7AB	0,6	**Lourenco Marques** — Mozambique
3505	85.95	YV5RX	1,75	**Caracas** — Venezuela
3659	82.01	ZEA	1	**Salisbury** — S. Rhodesia
3800	78.95	ZEA	1	**Bulawayo** — S. Rhodesia
3914	76.60	ZQP	0,5	**Lusaka** — North Rhodesia
4020	74.63	HCIM	0,25	**Ibarra** — Ecuador
4107	73.05	HCJB	0,7	**Quito** — Ecuador
4200	71.43	HC5AO	0,2	**Cuenca** — Ecuador
4290	69.63	COX7	5	**Havana** — Cuba
4370	68.65	YV7RB	1	**Cumana** — Venezuela
4370	68.65	YDI2	0,2	**Soerabaia** — Java
4373	68.60		0,2	**Johannesburg V** — S. Africa
4700	63.83	ZQJ	0,2	**Kingston** — Jamaica
4720	63.56	YDI2	0,3	**Soerabaia** — Java
4750	63.16	YV1RV	0,2	**Maracaibo** — Venezuela
4760	63.03	YV5RV	0,22	**La Guaira** — Venezuela
4770	62.89	YV1RY	0,21	**Coro** — Venezuela
4780	62.76	HJGB	2,5	**Bucaramanga** — Colombia
4780	62.76	HUB	0,3	**San. Salvador** — Rep. El. Salvador
4780	62.76	HC1PM	0,15	**Quito** — Equador
4780	62.76	YV4RO	0,2	**Valencia** — Venezuela
4780	62.76		10	**Singapore** — Malaya
4785	62.69	HJAN	5	**Barranquilla** — Colombia
4790	62.63	YV6RU	0,6	**Ciudad Bolivar** — Venezuela
4795	62.57	HJDX	0,75	**Medellin** — Colombia
4797	62.54		0,2	**St. Denis** — Reunion
4800	62.52	YV1RX	2	**Maracaibo** — Venezuela
4805	62.45	HJDU	0,25	**Medellin** — Colombia
4810	62.37	YV1RL	0,2	**Maracaibo** — Venezuela
4815	62.30	HJBB	0,75	**Cucuta** — Colombia
4820	62.24	XEJC	0,2	**Guadalajara** — Mexico
4825	62.18		10	**Singapore** — Malaya
4825	62.18	PR14	0,5	**Parnaiba** — Brazil
4825	62.18	HJED	1	**Cali** — Colombia
4830	62.11	YV2RN	1,3	**St. Christobal** — Venezuela
4830	62.11	EQD	1	**Teheran** — Iran
4840	62.00	YV1RZ	0,3	**Valera** — Venezuela
4840	61.98	VUC2	10	**Calcutta** — India
4845	61.92	CSX2	1	**Ponta Delgada** — Acores
4855	61.79	HJCA	1	**Bogota** — Colombia
4855	61.75	CR7BV	7,5	**Lourenco Marques**— Mozambique
4860	61,73	YV5RA	7,5	**Caracas** — Venezuela
4864	61.68	PRC5	2	**Belem** — Brazil
4865	61.66	HJEX	1	**Cali** — Colombia
4870	61.60	YDD2	0,3	**Batavia** — Java
4878	61.50	ZID	0,5	**Pietermaritzburg II** — S. Africa
4879	61.48	YV5RU	2	**Caracas** — Venezuela
4880	61.48	VUB2	10	**Bombay** — India
4885	61.41	HJDP	5	**Medellin** — Colombia
4885	61.41	VQ7LO	1,5	**Nairobi** — Kenya
4895	61.28	PRF6	2,5	**Manaos** — Brazil
4890	61.30	YV5RM	5	**Caracas** — Venezuela
4895	61.28	HJCH	0,75	**Bogota** — Colombia
4895	61.28	YDZ	0,04	**Medan** — Sumatra
4895	61.28		5	**Johannesburg III** — S. Africa
4900	61.29	ZOH	11	**Colombo** — Ceylon
4900	61.23	HC2AJ	1	**Guayaquil** — Ecuador
4910	61.10	YDB2	0,3	**Batavia** — Java
4900	61.29	ZOH	11	**Colombo** — Ceylon
4915	61.04	ZOY	1,3	**Accra** — Gold Coast
				60 METRE BAND
4920	60.98	YV5RN	7,5	**Caracas** — Venezuela
4920	60.98	VUM2	10	**Madras** — India
4925	60.91	HJAP	0,75	**Cartagena** — Colombia
4945	60.66	HJCW	0,75	**Bogota** — Colombia
4955	60.54	HJCQ	2,5	**Bogota** — Colombia
4965	60.42	HJAE	0,75	**Cartagena** — Colombia
4960	60.48	VUD2	10	**Delhi** — India
4985	60.91	CR7BU	7,5	**Lourenco Marques** — Mozambique
4990	60.12	YV3RN	4	**Barquisemeto** — Venezuela
5030	59.28	YFA10	0,5	**Macassar** — Celebes
5480	54.74	YCN	0,04	**Balikapan** — Borneo
5660	53.00	HHCN	0,2	**Port-au-Prince** — Haiti
5800	51.72		7,5	**Taebriz** — Iran
5845	51.33	PZH5	0,35	**Paramaribo** — Surinam
5875	51.06	TIGPH	1	**San José** — Costa Rica
5877	51.05	HRN	0,75	**Tegucigalpa** — Rep. Honduras
5880	51.02	CP15	0,35	**La Paz** — Bolivia
5880	51.00	ZRK	5	**Cape Town III** — S. Africa
5900	50.85	ZNB	0,2	**Mafeking** — S. Africa
5918	50.69		7,5	**Nanking** — China
5942	50.49		1	**Godthaab** — Greenland
5948	50.44	HH2S	0,3	**Port-au-Prince** — Haiti
5970	50.26	HCQRX	0,3	**Quito** — Ecuador
5970	50.25	VONH	0,3	**St. Johns** — Newfoundland

kc/s	Metres	kW	Station	
5970	50.26	HVJ	12	**Vatican City** — Italy
5980	50.16		25	**Andorra** — Andorra la Vieja
5985	50.13	LRS1	5	**Buenos Aires** — Arg.
6000	50.00	YSW	0,2	**Santa Ana** — Rep. El Salvador
6000	50.00	HS8PD	2,5	**Bangkok** — Siam
6000	50.00	HRA	0,5	**Tegucigalpa** — Honduras
6000	50.00		0,5	**Damascus** — Syria
6000	50.00	PRI3	5	**Belo Horizonte** — Brazil
6000	50.00	ZFY	1	**Georgetown** — Br. Guiana
6000	50.00	OAX2A	0,25	**Trujillo** — Peru
		49 METRE BAND		
6005	49.96	HP5K	0,8	**Colon** — Rep. Panama
6005	49.96	HVJ	50	**Vatican City** — Italy
6007	49.95	ZRH	5	**Johannesburg III** — S. Africa
6010	49.92	COCO	5	**Havana** — Cuba
6010	49.92	CJCX	1	**Sydney** — Nova Scotia
6010	49.92	OAX4V	0,5	**Lima** — Peru
6010	49.92	CE6O1	5	**Antofagasta** — Chile
6010	49.92	OLR2A	34	**Podebrady** — Czechosl.
6010	49.92	GRB	50	**London** — Gt. Britain
6010	49.92	XEOJ	2,5	**Mexico City** — Mexico
6016	49.87	PRA8	5	**Recife** — Brazil
6018	49.85	HJCX	0,75	**Bogota** — Colombia
6020	49.83	OAX4Q	1	**Lima** — Peru
6020	49.83	XEUQ	0,25	**Vera Cruz** — Mexico
6020	49.83		100	**Kiev** — U. S. S. R.
6020	49.83		0,2	**Radio Vorarlberg** — Austria
6024	49.80	FXI	1,5	**Brazzaville** — Fr. Eq. A.
6025	49.79	HI1J	0,1	**San Pedro de Macoris** — Dominicana
6025	49.79	PGD	5	**Hilversum** — Holland
6026	49.78	CP35	0,25	**Oruro** — Bolivia
6030	49.75	OLR2B	34	**Podebrady** — Czechosl.
6030	49.75	XEKW	0,5	**Morelia** — Mexico
6030	49.75	HP5B	0,25	**Panama City** — Panama
6030	49.75	CFUP	0,2	**Calgary** — Canada
6030	49.75	HVJ	50	**Vatican City** — Italy
6035	49.71		7.5	**Rangoon** — Burma
6035	49.71	GWS	50	**London** — Gt. Britain
6035	49.71	OAX6B	0,2	**Arequipa** — Peru
6035	49.71	CXA3O	1	**Montevideo** — Uruguay
6040	49.67	COBF	1	**Havana** — Cuba
6040	49.67	WRUA	50	**Boston** — U. S. A.
6042	49.65	OAX6A	0,2	**Arequipa** — Peru
6045	49.63	XETW	0,1	**Tampico** — Mexico
6045	49.63		10	**Kuala Lumpur** — Malaya
6050	49.59	GSA	50	**London** — Gt. Britain
6054	49.54	XLRA	1	**Hankow** — China
6055	49.55	CXA14	1	**Colonia** — Uruguay
6055	49.55	OAX6E	0,3	**Arequipa** — Peru
6060	49.50	VQ7LO	1,5	**Nairobi** — Kenya
6060	49.50		100	**San Francisco** — U. S. A.
6060	49.50		50	**Brentwood** — U. S. A.
6060	4950	CKRZ	50	**Sackville** — Canada
6063	49.48	FIQA	5	**Tananarive** — Madagascar
6065	49.46	TIWS	0,5	**Puntarenas** — Costa Rica
6065	49.46	SBO	12	**Motala** — Sweden
6065	49.46	LRSI	10	**Buenos Aires** — Arg.
6070	49.45		20	**Tetuan** — Sp. Marocco
6070	49.42	GRR	50	**London** — Gt. Britain
6070	49.42	CFRX	1	**Toronto** — Canada
6073	49.39	HJCF	0,75	**Bogota** — Colombia
6075	49.38	CXA3	2,5	**Montevideo** — Uruguay
6075	49.38	ZOJ	7,5	**Colombo** — Ceylon
6080	49.32	CKFX	0,01	**Vancouver** — Canada
6080	49.34		50	**Frankfurt A. F. N.** — Germany
6080	49.34	CP47	0,25	**Sucre** — Bolivia
6080	49.34	WLWS	75	**Cincinnati** — U. S. A.
6080	49.34	ZL1	10	**Wellington** — New Zealand
6080	49.34	HOFA	5	**Panama City** — Rep. Panama
6082	49.33	OAX4Z	15	**Lima** — Peru
6090	49.26	ZNS	0,6	**Nassau** — Bahama
6090	49.26	LRY1	5	**Buenos Aires** — Arg.
6090	49.26	CKOB	50	**Sackville** — Canada
6090	49.26	GWM	50	**London** — Gt. Britain
6090	49.26		5	**Luxembourg**
6090	49.26	XRRA	10	**Peiping** — China
6090	49.25	CBFV	0,2	**Montreal** — Canada
6095	49.22	ZYB7	25	**Sao Paulo** — Brazil
6095	49.22	OAX4H	1	**Lima** — Peru
6095	49.22		1	**Johannesburg IV** — S. Africa
6097	49.20	HJKF	2,5	**Pereira** — Colombia
6100	49.18		50	**Bound Brook** — U. S. A.
6100	49.18	CXA13	10	**Montevideo** — Uruguay
6105	49.11	PRE9	5	**Fortaleza** — Brazil
6105	49.14	HJFB	1	**Manizales** — Colombia
6110	49.10	CP2	1	**La Paz** — Bolivia
6110	49.10	GSL	50	**London** — Gt. Britain
6110	49.10	VUD3	5	**Delhi** — India
6115	49.06	OLR2C	34	**Podebrady** — Czechosl.
6115	49.04		10	**Hamburg** — Germany:
6120	49.02		50	**Wayne** — U. S. A.
6120	49.02	KRHO		**Honolulu** — Hawaii
6120	49.02	LRX1	10	**Buenos Aires** — Arg.
6120	49.02		1,5	**Umtali** — S. Rhodesia
6120	49.02		50	**Brentwood** — U. S. A.
6120	49.02	OIX7	15	**Helsinki II** — Finland
6122	49.00	HP5H	0,5	**Panama City** — Panama
6125	48.98	GWA	50	**London** — Gt. Britain
6125	48.98	CXA4	10	**Montevideo** — Uruguay
6125	48.98	H11G	0,1	**Trujillo** — Rep. Dominicana
6130	48.94	WLW	2	**Perth** — Australia
6130	48.94	CHNX	0,5	**Halifax** — Canada
6130	48.94	COCD	1	**Havana** — Cuba
6130	48.94	XEUZ	0,1	**Mexico City** — Mexico
6130	48.95		0,3	**Monte Carlo** — Monaco
6135	48.90	ZJM4	7,5	**Sharq al Adna** — Palestine
6137	48.88	CR7AA	0,25	**Lourenco Marques** — Mozambique
6137	48.88	FIQA	1,2	**Tananarive** — Madagascar
6140	48.86	WBOS	50	**Boston** — U. S. A.
6140	48.86	OAX8C	0,3	**Iquitos** — Peru
6140	48.86	HI1R	0,2	**San Christobal** — Rep. Dominicana
6140	48.86		4	**Belgrade** — Yugoslavia
6144	48.82	SNRI	0,2	**Fort de France** — Martinique
6145	48.82	HJDE	10	**Medellin** — Colombia
6145	48.82	LRR	10	**Santa Fe** — Argentina
6150	48.78	VLR2	2	**Melbourne** — Australia
6150	48.78	CKRO	2	**Winnipeg** — Canada

kc/s	Metres	kW	Station	
6150	48.78	TIRH	0,25	**San Jose** — Costa Rica
6150	48.78	GRW	50	**London** — Gt. Britain
6150	48.78	CP12	0,25	**Sucre** — Bolivia
6150	48.78	CE615	5	**Valparaiso** — Chile
6150	48.78	ORX1A	0,25	**Chiclayo** — Peru
6155	48.74		0,4	**Vienna I** — Austria
6155	48.55	CS2WD	5	**Lisbon** — Portugal
6155	48.74	CXA13	10	**Montevideo** — Uruguay
6155	48.74	EQB	7	**Teheran** — Iran
6160	48.70	CHAC	50	**Sackville** — Canada
6160	48.70	HJCD	10	**Bogota** — Colombia
6160	48.70	CBRX	0,15	**Vancouver** — Canada
6165	48.66	TILS	1	**San José** — Costa Rica
6165	48.66	HHCM	0,1	**Port-au-Prince** — Haiti
6165	48.66	GWK	50	**London** — Gt. Britain
6165	48.66	HER3	100	**Schwarzenburg** — Switzerland
6170	48.62	HI9T	0,1	**Puerto Plata** — Rep. Dominicana
6170	48.62	OAX4B	0,35	**Cerro de Pasco** — Peru
6170	48.62		50	**Brentwood** — U. S. A.
6170	48.62		50	**Wayne** — U. S. A.
6170	48.62	OAX5E	0,3	**Chinca** — Peru
6170	48.62		85	**Munich II** — Germany
6170	48.62	CXA21	1	**Montevideo** — Uruguay
6170	48.62	CP37	0,25	**Oruro** — Bolivia
6170	48.62	OLR2C	34	**Podebrady** — Czechosl.
6170	48.62	ZJM5	7,5	**Sharq al Adna** — Palestine
6170	49.62	OAX6G	0,2	**Iquitos** — Peru
6175	48.58		0,08	**Bucarest** — Roumania
6175	48.58	XEXA	1	**Mexico City** — Mexico
6175	48.58		100	**Allouis** — France
6175	48.58	HOB	1	**Panama City** — Panama
6179	48.54	YDP	0,5	**Medan** — Sumatra
6180	48.54	HC1FM	0,25	**Ibarra** — Ecuador
6180	48.54		1	**Stuttgart** — Germany
6180	48.54	TIRCC	0,3	**San José** — Costa Rica
6180	48.54	GRO	50	**London** — Gt. Britain
6180	48.54	LRM	10	**Mendoza** — Argentina
6182	48.53	HI1A	0,08	**Santiago** — Rep. Dominicana
6185	48.50	XECC	0,05	**Puebla** — Mexico
6187	48.48	HIL	0,06	**Santiago** — Rep. Dominicana
6190	48.47		12	**Saigon** — Fr. Indo China
6190	48.47		85	**Munich** — Germany
6190	48.47	VUD10	20	**Delhi** — India
6190	48.47		50	**Schenectady** — U. S. A.
6190	48.47	HVJ	50	**Vatican City** — Italy
6190	48.47	OAX4G	0,25	**Lima** — Peru
6190	48.47		50	**Belmont** — U. S. A.
6190	48.47		50	**Bound Brook** — U. S. A.
6190	48.47	OAX1B	0,4	**Piura** — Peru
6195	48.43	GRN	50	**London** — Gt. Britain
6200	48.39	YSP	0,35	**San Salvador** — Rep. El Salvador
6200	48.39	HJCT	10	**Bogota** — Colombia
6200	48.39	OAX4P	0,25	**Huancayo** — Peru
6200	48.39		1,0	**Tangier** — Tangier
6200	48.39		100	**Allouis** — France
6200	48.39	CP5	0,5	**La Paz** — Bolivia
6208	48.32	FK8AA	0,3	**Noumea** — New Caledonia
6210	48.31	HCIAC	0,5	**Quito** — Ecuador
6210	48.31		3,0	**Bucarest** — Roumania
6215	48.25	SP13	7,5	**Warsaw III** — Poland
6220	48.23	CE622	5	**Santiago de Chile** — Chile
6225	48.19	HJFB	4,5	**Manizales** — Colombia
6235	48.12	HRD2	0,2	**La Ceiba** — Honduras
6240	48.08	HCJB	1,0	**Quito** — Ecuador
6246	48.04	HI1N	0,7	**Ciudad Trujillo** — Rep. Dominicana
6250	48.00	YSU	0,2	**Cincuenta** — Rep. El Salvador
6257	47.00		3	**Korca** — Albania
6265	47.88	YSR	1,0	**San Salvador** — Rep. El Salvador
6273	47.82	YNXW	0,1	**Managua** — Rep. Nicaragua
6274	47.81	ZPAI	3	**Asuncion** — Paraguay
6295	47.66	TGLA	0,2	**Retalhulen** — Guatemala
6295	47.65	OTM1	3	**Leopoldville** — Belgian Congo
6312	47.52	HI1Z	0,2	**Trujillo** — Rep. Dominicana
6321	47.46		1	**Baden-Baden** — Germany: French Zone
6327	47.43	COCW	1	**Havana** — Cuba
6350	47.24	HI1X	1	**Trujillo** — Rep. Dominicana
6350	47.24	HRP1	0,1	**San Pedro** — Rep. Honduras
6374	47.06	CSX	0,5	**Barcarene** — Portugal
6383	47.00	HI9B	0,2	**Santiago** — Rep. Dominicana
6400	46.88	HC2RL	0,25	**Guayaquil** — Ecuador
6401	46.85	TGQA	0,3	**Guatemala City** — Guatemala
6404	46.86	XPRA	1,5	**Kumning** — China
6405	46.88		1	**Praia** — Cap Verde Islands
6420	46.73	HI1R	0,2	**San Christobal** — Rep. Dominicana
6440	46.50	TGWB	1	**Guatemala City** — Guatemala
6450	46.51	COHJ	5	**Sante Clara Havana** — Cuba
6450	46.51	YNWW	0,5	**Granada** — Nicaragua
6480	46.30	HI2T	0,2	**Trujillo** — Dominicana
6497	46.19	TGOA	0,2	**Guatemala City** — Guatemala
6510	46.08	CP4O	0,25	**Cochabamba** — Bolivia
6550	45.80	YNBH	0,1	**Managua** — Nicaragua
6620	45.32	TG2	0,3	**Guatemala City** — Guatemala
6630	45.25	HIT	0,1	**Trujillo** — Rep. Dominicana
6650	45.11	YCN2	0,12	**Balikpapan** — Borneo
6660	45.05	HI3C	0,03	**Trujillo** — Dominicana
6700	44.78	TIEP	1	**San José** — Costa Rica
6700	44.78	YNCM0	0,2	**Managua** — Rep. Nicaragua
6748	44.50	PMA2	0,18	**Bandoeng** — Java
6760	44.38	YNPS	0,8	**Managua** — Rep. Nicaragua
6770	44.31	CP49	0,5	**La Paz** — Bolivia
6770	44.31		7,5	**Singapore** — Malaya
6790	44.18	ZJM6	7,5	**Sharq al Adna** — Palestine
6890	43.54	YNOW	0,25	**Managua** — Rep. Nicaragua
6917	43.37	FZK6	0,5	**Dakar** — Senegal
6950	43.12	YNQ	0,15	**Managua** — Nicaragua

41 METRE BAND

6980	42.98	FO8AA	0,1	**Papeete** — Tahiti
7000	42,86	FXI	0,8	**Brazzaville** — Fr. Eq. A.

kc/s	Metres	kW	Station	
7000	42.86		50	**Schenectady** — U. S. A.
7006	42.83	FET1	0,2	**Vallaloid** — Spain
7007	42.86	XPSA	10	**Kuichow** — China
7012	42.79	EAJ9	0,2	**Malaga** — Spain
7015	42.76	CSX2	1	**Ponta Delgada** — Acores
7034	42.65	HC1MI	0,25	**Quito** — Equador
7037	42.63		0,1	**Valencia** — Spain
7042	42.60	FET15	0.2	**Cordoba** — Spain
7054	42.54	CR6RF	0,75	**Benguela** — Angola
7075	42.40	GRS	50	**London** — Gt. Britain
7077	42.33	V3USE	0.05	**Port Louis** — Mauritius
7100	42.25	YDA3	0,18	**Bandoeng** — Java
7100	42.25	EAJ7	0.2	**Cuenca** — Spain
7103	42.24	YNET	0,1	**Massaya** — Nicaragua
7110	42.19	EDV10	1	**Madrid** — Spain
7120	42.13	GRM	50	**London** — Gt. Britain
7120	42.13	VQ6MY	1	**Hargeisa** — Br. Somaliland
7131	42.07	FET22	0,25	**Falange de Ovideo** — Spain
7150	41.96	GRT	50	**London** — Gt. Britain
7160	41.87			**U. S. S. R.**
7153	41.94	XGOY	10	**Chunking** — China
7170	41.84		0.2	**St. Denis** — Reunion
7175	41.80		0,25	**Vienna II** — Austria
7177	41.80	CR6AA	1	**Lobito** — Angola
7185	41.75	GRK	50	**London** — Gt. Britain
7190	41.72			**U. S. S. R.**
7200	41.66		10	**Singapore** — Malaya
7200	41.67			**U. S. S. R.**
7200	41.66	HC2CM	0.2	**Guavaquill** — Ecuador
7200	41.67	HIT	0,1	**Trujillo** — Rep. Dominicana
7200	41.67	YDP2	0.12	**Medan** — Sumatra
7205	41.64	HI9U	0,1	**Puerto Plata** — Rep. Dominicana
7210	41.61	GVL	50	**London** — Gt. Britain
7210	41.61	VUC2	10	**Calcutta** — India
7210	41.61	FZK6	0.5	**Dakar** — Senegal
7210	41.61	HEI3	25	**Schwartzenburg** — Switzerland
7215	41.58	VLQ2	10	**Brisbane** — Australia
7215	41.58	YSI	0.1	**San Salvador** — Rep. El Salvador
7215	41.58	HI2A	0,25	**Santiago** — Rep. Dominicana
7220	41.55	JCKW	7,5	**Jerusalem** — Palestine
7220	41.55	XUPA	3	**Taiwan** — China
7220	41.55	ZOP	5	**Lusaka** — N. Rhodesia
7225	41.52	HI8Z	0,2	**Santiago** — Rep. Dominicana
7230	41.49		100	**San Francisco** — U. S. A.
7230	41.49	GSW	50	**London** — Gt. Britain
7240	41.54	VLQ	10	**Brisbane** — Australia
7240	41.44		25	**Realtort** — France
7240	41.44	VUB11	20	**Bombay** — India
7244	41.41	HC4FA	0.2	**Manta** — Ecuador
7250	41.38	GWI	50	**London** — Gt. Britain
7250	41.38		50	**Belmont** — U. S. A.
7250	41.38	HVI	50	**Vatican City** — Italy
7250	41.38		1	**Rome** — Italy
7250	41.38	PCJ2	3	**Willemstad** — Curacao
7260	41.32	GSU	50	**London** — Gt. Britain
7260	41.32	VUM2	10	**Madras** — India
7265	41.30	HC1BF	0.3	**Quito** — Ecuador
7267	41.28	EA8AB	0,5	**Santa Cruz de Tenerife** — Canary Islands
7270	41.26		1	**Rome** — Italy
7270	41.26			**U. S. S. R.**
7270	41.26	YSO	1	**San Salvador** — Rep. El Salvador
7270	41.27	YDB3	1	**Batavia** — Java
7270	41.27		100	**Allouis** — France
7280	41.21	GWN	50	**London** — Gt. Britain
7280	41.21	VLC8	50	**Shepparton** — Australia
7280	41.21		100	**Allouis** — France
7280	41.21	HVI	50	**Vatican City** — Italy
7280	41.21	VLA	100	**Shepparton** — Australia
7290	41.15	VUD2	10	**Delhi** — India
7290	41.15	VUD11	20	**Delhi** — India
7290	41.15	VUD5	100	**Delhi** — India..
7290	41.15		85	**Munich I** — Germany:
7290	41.15			**U. S. S. R.**
7295	41.11	ZOY	1,3	**Accra** — Cold Coast
7299	41.10	CR6RA	1	**Luanda** — Angola
7300	41.10	HC2AX	0,15	**Vinces** — Ecuador
7300	41.10			**U. S. S. R.**
7310	41.04			**U. S. S. R.**
7320	49.98	GRJ	59	**London** — Gt. Britain
7320	40.98			**U. S. S. R.**
7330	40.93			**U. S. S. R.**
7340	40.87			**U. S. S. R.**
7360	40.76			**U. S. S. R.**
7380	40.65	HEU3	25	**Schwarzenburg** — Switzerland
7390	40.60			**U. S. S. R.**
7400	40.54	YVKC	10	**Caracas** — Venezuela
7400	40.54	YNAT	0,1	**Leon** — Rep.Nicaragua
7447	40.29		0,1	**Basse Terre** — Guadeloupe
7500	40.00		0,5	**Damascus** — Syria
7502	39.99	YNFT	0,1	**Granada** — Rep. Nicaragua
7558	39.75	EAJ43	0,5	**Santa Cruz** — Canary Islands
7615	39.53	YNLAT	0,2	**Granada** — Rep. Nicaragua
7867	38.13	SUX	10	**Cairo** — Egypt
7874	38.10	HC1GP	0,25	**Quito** — Ecuador
7895	38.00		3,0	**Tirana** — Albania
7940	37.78		1,2	**Alicante** — Spain
7995	37.52	PMB2	3	**Bandoeng** — Java
8036	37.34		2,5	**Beyrouth** — Lebanon
8090	37.08	XYCN3	0,25	**Balikpapan** — Borneo
8216	36 50		3	**Scutari** — Albania
8343	35.94	XUPB	0,5	**Amoy** — China
8663	34.62	COJK	1	**Havana** — Cuba
8700	34.48	COCO	5	**Havana** — Cuba
8825	33.92	COCQ	5	**Havana** — Cuba
8960	33.48	COKG	1,2	**Havana** — Cuba
9026	33.24	COBZ	1	**Havana** — Cuba
9082	33.03	CNR3	2,5	**Rabat** — Fr. Marocco
9120	30.86	PRL7	50	**Rio de Janeiro** — Brazil
9165	32.73	CR6RB	0,15	**Benguela** — Angola
9200	32.54	HC2ET	0,25	**Cuayaquil** — Ecuador
9235	32.49	CR8AA	0,5	**Macau** — Macao Portuguese China
9235	32.49	COBQ	1	**Havana** — Cuba
9250	32.43	YSF	1	**San Salvador** — Rep. El Salvador
9250	32.43		4	**Dacia Romana** — Roumania
9273	32.33	COCX	1	**Havana** — Cuba
9290	32.29	HI2Q	0,1	**Trujillo** — Rep. Dominicana
9320	32.21	LRS	5	**Buenos Aires** — Argentina
9330	32.15		25	**Andorra** — Andorra la Vieja

kc/s	Metres	kW	Station	
9350	32.09		5	**Rodina** — Bulgaria
9357	32.06	YFA9	10	**Macassar** — Celebes
9355	32.05	HCBT	0,25	**Quito** — Ecuador
9352	32.04	COBC	1	**Havana** — Cuba
9366	32.02		40	**Madrid Arganda** — Spain
		31 METRE BAND		
9380	31.98	OTM2	7,5	**Leopoldville** — Belgian Congo
9410	31.88	GRI	59	**London** — Gt. Britain
9430	31.81	CP21	0,27	**Sucre** — Bolivia
9436	31.80			**U. S. S. R.**
9437	31.80	COCH	5	**Havana** — Cuba
9440	31.78	FXI	7	**Brazzaville** — Fr. Eq A.
9465	31.70	TAP	20	**Ankara** — Turkey
9490	31.61		50	**Dixon** — U. S. A.
9490	31.61		50	**Brentwood** — U. S. A.
9490	31.61		50	**Wayne** — U. S. A.
9500	31.58	XKPB	0,2	**Shanti** — China
9500	3158			**U. S. S. R.**
9500	31.58	OIX2	15	**Lahti** — Finland
9500	31.58	KZPI	0,25	**Manila** — Philippines
9500	31.58	XEWW	25	**Mexico City** — Mexico
9500	31.58	CR6RL	1	**Luanda** — Angola
9505	31.56	PRL7	50	**Rio de Janeiro** — Brazil
9504	31.57	OLR3B	34	**Podebrady** — Czechosl.
9505	31.56	CP38	5	**La Paz** — Bolivia
9505	31.56	PRL7	50	**Rio de Janeiro** — Brazil
9505	31.56	YUC/D	4	**Belgrade** — Yugoslavia
9505	31.56	HOLA	0,25	**Colon** — Rep. Panama
9510	33.55	GSB	50	**London** — Gt. Britain
9510	31.55	OXX4W	0,5	**Lima** — Peru
9515	31.53		100	**Allouis** — France
9520	31.52	VLW7	2	**Perth** — Australia
9520	31.51	OZF		**Skamlebaek** — Denmark
9520	31.51		100	**Allouis** — France
9520	31.51	ZOJ	100	**Colombo** — Ceylon
9520	31.51	OAX4J	0,25	**Lima** — Peru
9523	31.51		5	**Johannesburg III** — S. Africa
9525	31.49	ZBW3	1	**Hongkong** — China
9525	31.50	GWJ	59	**London** — Gt. Britain
9528	31.49		5	**Luxembourg**
9530	31.48	VUC2	10	**Calcutta** — India
9530	31.48	WGEO WRUX	50	**Schenectady** — U. S. A.
9530	31.48		50	**Belmont** — U. S. A.
9535	31.46	SBU	12	**Motala** — Sweden
9535	31.46	HER4	100	**Schwarzenburg** — Switzerland
9540	31.45	VI9AJ	0,25	**Edmonton** — Canada
9540	31.45		85	**Munich IIII** — Germany
9540	31.44		7,5	**Rangoon** — Burma
9540	31.45			**U. S. S. R.**
9540	31.45	VLB	100	**Shepparton** — Australia
9540	31.45	VLR	2	**Melbourne** — Australia
9540	31.45	VLG2	10	**Lyndhurst** — Australia
9540	31.45	VLC5	50	**Shepparton** — Australia
9540	31.45		100	**Allouis** — France
9540	31.45			**U. S. S. R.**
9540	31.45	ZL2	10	**Wellington** — N. Zealand
9540	31.45	LKJ	5	**Oslo** — Norway
9545	31.43	XEFT	0,25	**Vera Cruz** — Mexico
9545	31.42	OAX4K	0,25	**Lima** — Peru
9550	31.41	OLR3A	34	**Podebrady** — Czechosl.
9550	31.41		50	**Schenectady** — U. S. A.
9550	31.41		50	**Belmont** — U. S. A.
9550	31.41	GWB	59	**London** — Gt. Britain
9550	31.41		100	**Allouis** — France
9550	31.41	VUB2	10	**Bombay** — India
9550	31.41	YDD3	3	**Batavia** — Java
9550	31.41	WRUX	50	**Boston** — U. S. A.
9550	31.41	HVI	50	**Vatican City** — Italy
9552	31.40	XOPB	0,4	**Chekiang** — China
9555	31.39	PLG	2	**Bandoeng** — Java
9555	31.40	XETT	0,5	**Mexico City** — Mexico
9560	31.38	VLW2	2	**Perth** — Australia
9560	31.38	TPB12	100	**Les Essarts** — France
9562	31.37	OAX4T	10	**Lima** — Peru
9563	31.37		1	**Vienna** — Austria
9565	31.36			**U. S. S. R.**
9570	31.35		100	**Allouis** — France
9570	31.35	WGEO	100	**San Francisco** — U. S. A.
9570	31.35	WBOS	50	**Boston** — U. S. A.
9570	31.35	CP4O	0,25	**Cochabamba** — Bolivia
9580	31.32	VYG	10	**Melbourne** — Australia
9580	31.32	VLH3	10	**Lyndhurst** — Australia
9580	31.32	GSC	59	**London** — Gt. Britain
9585	31.30		100	**Allouis** — France
9590	31.30	VUD5	100	**Delhi** — India
9590	31.28	WCBN	75	**Cincinnati** — U. S. A.
9590	31.30	VUM2	10	**Madras** — India
9590	31.28	PCJ	40	**Hilversum** — Holland
9590	31.28		50	**Brentwood** — U. S. A.
9590	31.28	OAX5C	0,15	**Ica** — Peru
9595	31.27		1,5	**Athlone** — Eire
9595	31.27			**U. S. S. R.**
9600	31.25	XEYU	0,25	**Mexico City** — Mexico
9600	31.24	CE960	1,2	**Santiago de Chile** — Chile
9600	31.25	XUPA	3	**Tai-pei** — China
9600	31.25	GRY	59	**London** — Gt. Britain
9600	31.25			**U. S. S. R.**
9607	31.23	HP5J	0,5	**Panama City** — Panama
9610	31.20		5	**Cape-Town** — S. Africa
9610	31.22			**U. S. S. R.**
9610	31.22	VLW5	2	**Perth** — Australia
9610	31.22	LLG	8	**Frederiksstad** — Norway
9610	31.22	ZYC8	25	**Rio de Janeiro** — Brazil
9610	31.22	CHLS	50	**Sackville** — Canada
9610	31.22	XERQ	5	**Mexico City** — Mexico
9615	31.20	VYB9	100	**Shepparton** — Australia
8615	31.20	VLC6	50	**Shepparton** — Australia
9615	31.20	VLA2	100	**Shepparton** — Australia
9615	31.20	TIPG	3	**San José** — Costa Rica
9620	31.19		1	**Addis Abeba** — Ethiopia
9620	31.19		25	**Realtort** — France
9620	31.19	CXA6	20	**Montevideo** — Uruguay
9625	31.17	GWO	59	**London** — Gt. Britain
9625	31.17	HAT4	50	**Budapest** — Hungary
9625	31.17	XEBT	10	**Mexico City** — Mexico
9625	31.17	VP4RD	0,5	**Port of Spain** — Trinidad
9630	31.15	CP12	0,25	**Sucre** — Bolivia
9630	31.15	VUD10	20	**Delhi** — India
9630	31.15	CKLO	50	**Sackville** — Canada
9630	31.15	VUB2	10	**Bombay** — India
9630	31.15		50	**Busto Arsizio I** — Italy
9640	31.12	CHMD	50	**Sackville** — Canada
9640	31.12	COX	5	**Havana** — Cuba
9640	31.12	GVZ	50	**London** — Gt. Britain
9640	31.12	CXA8	3	**Montevideo** — Uruguay
9640	31.12	YVKC	50	**Caracas** — Venezuela
9640	31.12	KZRH	1	**Manila** — Philippines
9650	31.09		50	**Wayne** — U. S. A
9650	31.09	WCBN	50	**Brentwood** — U. S. A.
9650	30.09		0,45	**Khartoum** — Sudan
9650	31.09		50	**Dixon** — U. S. A.

kc/s	Metres	kW	Station	
9650	31.09	ZJM8	7,5	**Sharq al Adna** — Palestine
9650	31.09			**U. S. S. R.**
9653	31.08	CR7BI	10	**Lourence Marques** — Mozambique
9655	31.07	HED6	25	**Schwarzenburg** — Switzerland
9658	31.06	XGOY	35	**Chunking** — China
9660	31.06	LRX	7	**Buenos Tires** — Arg.
9660	31.06	VLQ3	10	**Brisbane** — Australia
9660	31.06	HOXC	0,5	**Panama City** — Panama
9660	31.06	GWP	50	**London** — Gt. Britain
9660	31.06	HHBM	1	**Port-au-Prince** — Haiti
9660	31.06	HVJ4	50	**Vatican City** — Italy
9664	31.04		0,2	**Vienna II** — Austria
9665	31.04	VLW4	2	**Perth** — Australia
9670	31.02	VUD11	20	**Delhi** — India
9670	31.02	VUD3	50	**Delhi** — India
9670	30.83		1	**Leipzig** — Germany
9670	31.02		50	**Bound Brook** — U. S. A.
9670	31.02	OLR3A	34	**Podebrady** — Czechosl.
9675	31.01	GWT	50	**London** — Gt. Britain
9675	31.01		25	**Realtort** — France
9680	30.99	VLA3	100	**Shepparton** — Australia
9680	30.99	VUD2	10	**Delhi** — India
9680	30.99	VLB2	100	**Shepparton** — Australia
9680	30.99	VLG8	10	**Lyndhurst** — Australia
9680	30.99	VLC2	50	**Shepparton** — Australia
9680	30.99	VLW6	2	**Perth** — Australia
9680	30.99	XEQQ	1	**Mexico City** — Mexico
9680	30.99	EQC	7	**Teheran** — Iran
9685	30.98		100	**Allouis** — France
9690	30.96	LRA1	10	**Buenos Aires** — Arg.
9690	30.96	HJCAB	1	**Bogota** — Colombia
9690	30.98		7,5	**Singarpore** — Malaya
9690	30.96	GRX	50	**London** — Gt. Britain
9690	30.96	KZOK	0,25	**Manila** — Philippines
9692	30.95	FJQA	0,3	**Tananarive** — Madagascar
9693	30.96	TIRNH	0,75	**Heredia** — Costa Rica
9700	30.93	CP25	0,25	**La Paz** — Bolivia
9700	30.93		50	**Boston** — U. S. A.
9700	30.93		50	**Delano** — U. S. A.
9700	30.93		75	**Cincinnati** — U. S. A.
9700	30.93	SNRI	2,5	**Fort-de-France** — Martinique
9705	30.91	ZAP	1,5	**Lusaka** — N. Rhodesia
9715	30.88	CR7BE	10	**Lourence Marques** — Mozambique
9720	30.86	PRL7	50	**Rio de Janeiro** — Brazil
9724	30.86	CSW7	10	**Barcarene** — Portugal
9730	30.86	XGOA	2	**Nanking** — China
9728	30.84	CE970	5	**Valparaiso** — Chile
9730	30.87		12	**Leipzig** — Germany:
9740	30.80			**Moscow** — U. S. S. R
9745	30.78	OTC2	50	**Leopoldville** — Belg. Congo
9750	30.77		50	**Delano** — U. S. A.
9750	30.77		50	**Bound Brook** — U. S. A.
9750	30.77		75	**Cincinnati** — U. S. A.
9750	30.77	XMRA	1	**Lauchow** — China
9760	30.74	TGWA	10	**Guatemala City** — Guatemala
9760	30.73			**U. S. S. R.**
9780	30.67			**U. S. S. R.**
9790	30.64			**U. S. S. R.**
9800	30.61			**U. S. S. R.**
9825	30.53	GRH	50	**London** — Gt. Britain
9833	30.51	COBL	1	**Havana** — Cuba
9870	30.40		1	**Johannesburg IV** — S. Africa
9880	30.36			**U. S. S. R.**
9915	30.26	GRU	50	**London** — Gt. Britain
9915	30.26			**U. S. S. R.**
9958	30.12	HCJB	1	**Quito** — Ecuador
9964	30.72	FXI	1,5	**Brazzaville** — Fr. Eq. A.
10000	30.00	XGOL	0,2	**Foochow** — China
10055	29.83	SUX	10	**Cairo** — Egypt
10060	29.82	PMB3	3	**Bandoeng** — Java
10080	29.76	YVKC	50	**Caracas** — Venezuela
10130	29.60	HH3W	0,5	**Port-au-Prince** — Haiti
10260	29.25	PMB4	3	**Bandoeng** — Java
10365	28.94	PLB4	3	**Batavia** — Java
10600	28.30	ZIK2	0,2	**Belize** — Br. Honduras
10615	28.26	FJQA	0,25	**Tananarive** — Madagascar
10780	27.83	SDB2	12	**Motala** — Sweden
11030	27.20	YDH2	0,1	**Semarang** — Java
11040	27.17	CSW6	10	**Bacarene** — Portugal
				25 METRE BAND
11440	26.22	PLC	3	**Batavia** — Java
11633	25.79			**U. S. S. R.**
11650	25.74	XTPA	1	**Canton** — China
11680	25.68	GRG	50	**London** — Gt. Britain
11690	25.66	XORA	5	**Shanghai** — China
11700	25.64	HP5A	0,5	**Panama City** — Panama
11700	25.64	GVW	50	**London** — Gt. Britain
11700	25.64	TPC22	100	**Allouis** — France
11705	25.63	CKXA	50	**Sackville** — Canada
11705	25.63	SBP	12	**Motala** — Sweden
11710	25.62	VLG3	10	**Lyndhurst** — Australia
11710	25.62		5	**Johannesburg III** — S. Africa
11710	25.62		75	**Cincinnati** — U. S. A.
11712	25.61	FHE3	12	**Dakar** — Senegal
11715	25.61	HE15	25	**Schwarzenburg** — Switzerland
11720	25.60	OTM4	7,5	**Leopoldville** — Belgian Congo
11720	25.60	PRL8	50	**Rio de Janeiro** — Brazil
11720	25.60	CHOL	50	**Sachville** — Canada
11720	25.60		100	Allouis — France
11720	25.60	CKRX	2	**Winnipeg** — Canada
11720	25.60			**U. S. S. R.**
11720	25.60	ZJM7	7,5	**Sharp al Adna** — Palestine
11730	25.58	GVV	50	**London** — Gt. Britain
11730	25.57	PHI	5	**Hilversum** — Holland
11730	25.58		100	**Allouis** — France
11730	25.58		50	**Belmont** — U. S. A.
11730	25.58		50	**Boston** — U. S. A.
11730	25.58	CR6RC	0,15	**Luanda** — Angola
11730	25.58	CE1173	5	**Santiago de Chile** — Chile
11735	25.56	LKQ	8	**Frederiksstad** — Norway
11735	25.56		7,5	**Singapore** — Malaya
11735	25.56	CXA7	5	**Montevideo** — Uruguay
11740	25.55		1,5	**Athlone** — Eire
11740	25.55	VLB10	100	**Shepparton** — Australia
11740	25.55			**U. S. S. R.**
11740	25.55	HVJ	50	**Vatican City** — Italy
11740	25.48	COCY	5	**Havana** — Cuba
11740	25.55	CE1174	5	**Santiago** — Chile
11750	25.53	GSD	50	**London** — Gt. Britain

kc/s	Metres	kW	Station	
11750	25.53			**U. S. S. R.**
11760	25.51	VLG10	10	**Melbourne** — Australia
11760	25.51	OLR4B	34	**Podebrady** — Czechosl.
11760	25.51			**U. S. S. R.**
11760	25.51	VUD11	20	**Delhi** — India
11760	25.51	VLR8	2	**Melbourne** — Australia
11760	25.51	VLA8	100	**Shepparton** — Australia
11760	25.51	CKRA	50	**Sackville** — Canada
11765	25.50	ZYB8	25	**Sao Paulo** — Brazil
11770	25.49	VLA4	100	**Shepparton** — Australia
11770	25.49	GVU	50	**London** — Gt. Britain
11770	25.49		50	**Delano** — U. S. A.
11770	25.49		50	**Schenectady** — U. S. A.
11770	25.49	YDE1	3	**Batavia** — Java
11770	25.49	VLB3	100	**Shepparton** — Australia
11780	25.47		12	**Saigon** — Fr. Indo China
11780	25.47	OIX3	10	**Lahti** — Finland
11780	25.47	XENN	1	**Mexico City** — Mexico
11780	25.47	ZL3	10	**Wellington** — N. Zealand
11780	25.47	HP5G	0,8	**Panama City** — Panama
11780	25.47			**U. S. S. R.**
11782	25.46		5	**Luxembourg**
11785	25.45		0,2	**Vienna IV** — Austria
11790	25.45	VUD3	50	**Delhi** — India
11790	25.45		50	**Dixon** — U. S. A.
11790	25.45		50	**Bound Brook** — U. S. A.
11790	25.45		50	**Boston** — U. S. A.
11790	25.45		75	**Cincinnati** — U. S. A.
11800	25.42	GWH	50	**London** — Gt. Britain
11800	25.42	COBH	5,0	**Havana** — Cuba
11805	25.41	HC2FW	1	**Guayaquil** — Ecuador
11810	25.40		50	**Busto Arsizio II** — Italy
11810	25.40	CE1181	5	**Santiago de Chile** — Chile
11810	25.40	VLB4	100	**Shepparton** — Australia
11810	25.40		50	**Schenectady** — U. S. A.
11815	25.40		50	**Wayne** — U. S. A.
11810	25.40	HOX	7,5	**Panama City** — Panama
11810	25.40		50	**Delano** — California
11820	25.38	GSN	50	**London** — Gt. Britain
11820	25.38	XEBR	0,15	**Hermosillo** — Mexico
11830	25.36	VLW3	2	**Perth** — Australia
11830	25.36		50	**Brentwood** — U. S. A.
11830	25.36		50	**Wayne** — U. S. A.
11830	25.36			**U. S. S. R.**
11830	25.36	VLR6	2	**Melbourne** — Australia
11835	25.36	XGOA	2	**Nanking** — China
11835	25.35	THA5	10	**Algier III** — Algeria
11835	25.35	CXA19	5	**Montevideo** — Uruguay
11840	25.34	VLG4	10	**Lyndhurst** — Apstralia
11840	25.34	VLC7	50	**Shepparton** — Australia
11840	25.34	OLR4A	34	**Podebrady** — Czechosl.
11840	25.34	VLR7	2	**Melbourne** — Australia
11840	25.34	CXA8	3	**Colonia** — Uruguay
11840	25.34	KZFM	50	**Manila** — Philippines
11840	25.34	GWQ	50	**London** — Gt. Britain
11840	25.34	LRY	5	**Buenos Aires** — Arg.
11845	25.33		25	**Muret** — France
11847	25.33		50	**Schenectady** — U. S. A.
11850	25.32	VUD4	10	**Delhi** — India
11850	25.32	HAD3	50	**Budapest** — Hungaria
11850	25.32	VLR9	2	**Melbourne** — Australia
11850	25.32	HI3X	0,25	**Trujillo** — Rep. Domin.
11850	25.32	CE1185	5	**Santiago de Chile** — Chile
11860	25.30	GSE	50	**London** — Gt. Britain
11865	25.28	HER5	100	**Schwarzenburg** — Switzerland
11870	25.27	VUD9	7,5	**Delhi** — India
11870	25.27	WBOS	50	**Boston** — U. S. A.
11870	25.27		50	**Wayne** — U. S. A.
11870	25.37	ZPA3	1	**Asuncion** — Paraguay
11870	25.27			**San Francisco** — U. S. A.
11870	25.27	VLC3	50	**Shepparton** — Australia
11870	25.27		100	**Allouis** — France
11870	25.27		85	**Munich I** — Germany U. S. Zone
11875	25.26	OLR4C	34	**Podebrady** — Czechosl.
11875	25.26			**U. S. S. R.**
11880	25.25	LRR	10	**Santa Fé** — Argentina
11880	25.25	VLG5	10	**Lyndhurst** — Australia
11880	25.25	VLH4	10	**Lyndhurst** — Australia
11880	25.25			**U. S. S. R.**
11880	25.25	VLR3	2	**Melbourne** — Australia
11880	25.25	XEHH	0,25	**Mexico City** — Mexico
11885	25.24		25	**Muret** — France
11890	25.23	KWIX	50	**San Francisco** — U. S. A.
11890	25.23		50	**Bound Brook** — U. S. A.
11890	25.23			**U. S. S. R.**
11893	25.22		50	**Bound Brook** — U. S. A.
11895	25.22	CXA10	20	**Montevideo** — Uruguay
11900	25.21	VLG9	10	**Lyndhurst** — Australia
11900	25.21	CKEX	50	**Sackville** — Canada
11900	25.21			**U. S. S. R.**
11900	25.21	CB1190	5	**Valparaiso** — Chile
11900	25.21	OLR4D	34	**Podebrady** — Czechosl.
11900	25.21		0,075	**Dacia Romana** — Roumania
11900	25.21		50	**San Francisco** — U. S. A.
11913	25.21	XGOY	25	**Chungking** — China
11930	25.15	GVX	50	**London** — Gt. Britain
11950	25.10			**U. S. S. R.**
11950	25.10	ZPA5	5	**Encarnacion** — Parag.
11955	25.09	GVY	50	**London** — Gt. Britain
11970	25.06	FXI	50	**Brazzaville** — Fr. Equator. Africa
12040	24.92	GRV	50	**London** — Gt. Britain
12000	25.00	YDF3	1	**Soerabaja** — Java
12095	24.80	GRF	50	**London** — Gt. Britain
12235	24.52	TFJ	7	**Reykjavik** — Iceland
12270	24.45			**U. S. S. R.**
12370	24.25			**U. S. S. R.**
12400	24.20	CS2WI	0,5	**Parede** — Portugal
12455	24.09	HCJB	10	**Quito** — Ecuador
12500	24.00	XLRA	1	**Hankow** — China
12749	23.52	CSX	0,5	**Barcarene** — Portugal
13050	22.99		50	**Bound Brook** — U. S. A.
13320	22.52		0,25	**Khartoum** — Sudan
13600	22.08	PMS4	0,25	**Soerabaja** — Java

19 METRE BAND

14560	20.60		50	**Bound Brook** — U. S. A.
14950	20.07	PCB	5	**Paramariba** — Surinam
15040	19.95			**U. S. S. R.**
15070	19.91	GWC	50	**London** — Gt. Britain
15090	19.88	CKLX	50	**Sackville** — Canada
15090	19.88	CBLX	7,5	**Montreal** — Canada
15095	19.87	HVJ	12	**Vatican City** — Italy
15100	19.87	HOXC	7,5	**Panama City** — Panama
15100	19.87		100	**Allouis** — France
15100	19.87	EPB	14	**Teheran** — Iran
15110	19.85	GWG	50	**London** — Gt. Britain
15115	19.85	HCJB	1	**Quito** — Ecuador
15120	19.84	ZOJ	100	**Colombo** — Ceylon
15120	19.84		1,5	**Athlone** — Eire
15120	19.84	HVJ2	50	**Vatican City** — Italy
15120	19.84		50	**Busto Arsizio III** — Italy
15130	19.83		75	**Cincinnati** — U. S. A.
15130	19.83		50	**Belmont** — U. S. A.

kc/s	Metres	kW	Station	
15130	19.83		50	**Boston** — U. S. A.
15130	19.83		100	**San Francisco** — U. S. A.
15130	19.83		100	**Allouis** — France
15130	19.83	KGEI	50	**Delano** — U. S. A.
15130	19.83	VUD11	20	**Delhi** — India
15130	19.83			**U. S. S. R.**
15140	19.82	GSF	50	**London** — Gt. Britain
15145	19.82	YDC	3	**Poerri** — Java
15150	19.80	OAX4R	10	Lima — Peru
15150	19.80		85	**Munich III** — Germany,
15150	19.80		50	**Bound Brook** — U. S. A.
15150	19.80	ZYB9	25	**Sao Paulo** — Brazil
15150	19.80	SBT	12	**Motala** — Sverige
15160	19.79	VLG7	10	**Melbourne** — Australia
15160	19.79	OLR5C	34	**Podebrady** — Czechosl.
15160	19.79	VUD7	100	**Delhi** — India
15160	19.79	XEWW	25	**Mexico City** — Mexico
15165	19.77	PRE9	5	**Fortaleza** — Brazil
15170	19.78	TGWA	10	**Guatemala City** — Guatemala
15170	19.78	XGOY	35	**Chungking** — China
15170	19.78			**U. S. S. R.**
15175	19.77	LLM	10	**Tromsoe** — Norway
15180	19.76	GSO	50	**London** — Gt. Britain
15190	19.75	CKCX	50	**Sackville** — Canada
15190	19.75	PRI3	12	**Belo Horizonte** — Brazil
15190	19.75	OIX4	15	**Pori** — Finland
15190	19.75		50	**Bound Brook** — U. S. A.
15190	19.74	VUD5	100	**Delhi** — India
15195	19.74	TAQ	20	**Ankara** — Turkey
15200	19.74	VLA6	100	**Shepparton** — Australia
15200	19.74	VLB6	100	**Shepparton** — Australia
15200	19.74	VLC	50	**Shepparton** — Australia
15200	19.74	VLR10	2	**Melbourne** — Australia
15200	19.74		50	**Wayne** — U. S. A.
15200	19.74		75	**Cincinnati** — U. S. A.
15210	19.72	VLC11	50	**Shepparton** — Australia
15210	19.72		50	**Belmont** — U. S. A.
15210	19.72	WBOS	50	**Boston** — U. S. A.
15220	19.71	PCJ	40	**Hilversum** — Holland
15230	19.70	OLR5A	34	**Podebrady** — Czechosl.
15230	19.70		75	**Cincinnati** — U. S. A.
15230	19.70			**U. S. S. R.**
15230	19.70	VLH5	10	**Lyndhurst** — Australia
15240	19.69	VLG6	10	**Lyndhurst** — Australia
15240	19.69	VLR4	2	**Melbourne** — Australia
15240	19.68		100	**Allouis** — France
15240	19.69		50	**Delano** — U. S. A.
15250	19.67		75	**Cincinnati** — U. S. A.
15250	19.67		50	**Dixon** — U. S. A.
15250	19.67		50	**Boston** — U. S. A.
15250	19.67	KRHO	100	**Honolulu** — Hawaii
15260	19.66	GSI	50	**London** — Gt. Britain
15270	19.65		50	**Brentwood** — U. S. A.
15270	19.65			**U. S. S. R.**
15270	19.65		50	**Wayne** — U. S. A.
15280	19.63	ZL4	10	**Wellington** — N. Zealand
15280	19.63		50	**Bound Brook** — U. S. A.
15290	19.62	LRU	6	**Buenos Aires** — Arg.
15290	19.62	VUD1	20	**Delhi** — India
15290	19.62		50	**San Francisco** — U. S. A.
15290	19.62		50	**Boston** — U. S. A.
15295	19.62		25	**Realtort** — France
15300	19.61		7,5	**Singapore** — Malaya
15300	19.61			**U. S. S. R.**
15300	19.60	CXA18	20	**Montevideo** — Uruguay
15300	19.61	GWR	50	**London** — Gt. Britain
15305	19.60	HER6	25	**Schwartzenburg** — Switzerland
15310	19.60	GSP	50	**London** — Gt. Britain
15310	19.60			**U. S. S. R.**
15320	19.58	OZH2	6	**Skamlebæk** — Denmark
15320	19.58	CKCS	50	**Sacksville** — Canada
15320	19.58			**U. S. S. R.**
15320	19.59	VLC4	50	**Shepparton** — Australia
15320	19.59	VLA5	100	**Shepparton** — Australia
15320	19.58	OLR5B	34	**Podebrady** — Czechosl.
15320	19.58	HEI7	25	**Schwarzenburg** — Switzerland
15330	19.57		50	**Delano** — U. S. A.
15330	19.57		50	**Belmont** — U. S. A.
15330	19.57		100	**Schenectady** — U. S. A.
15340	19.56			**U. S. S. R.**
15340	19.56		50	**Dixon** — U. S. A.
15345	19.55	FHE2	12	**Dakar** — Senegal
15350	19.54	TPC2	25	**Realtort** — France
15350	19.54		50	**Boston** — U. S. A.
15350	19.54		75	**Cincinnati** — U. S. A.
15350	19.54		5	**Luxembourg**
15360	19.53			**U. S. S. R.**
15370	19.52	ZYC9	25	**Rio de Janeiro** — U. S. A.
15407	19.47			**U. S. S. R.**
15435	19.44	GWE	50	**London** — Gt. Britain
15440	19.43			**U. S. S. R.**
15450	19.42	GRD	50	**London** — Gt. Britain
15550	19.29			**U. S. S. R.**
15595	19.23	FXI	50	**Brazzaville** — Fr. Eq. A.

16 METRE BAND

16666	18.01	CNR3	2,5	**Rabat** — Fr. Marocco
17450	17.19	HVJ	50	**Vatican City** — Italy
17530	17.11	FXI	1,5	**Brazzaville** — Fr. Eq. A.
17630	17.02	PLD6	3	**Batavia** — Java
17700	16.95	GVP	50	**London** — Gt. Britain
17715	16.93	GRA	50	**London** — Gt. Britain
17720	16.93	LRA5	10	**Buenos Aires** — Arg.
17730	16.92	GWQ	50	**London** — Gt. Britain
17740	16.91			**U. S. S. R.**
17745	16.90	OTC5	50	**Leopoldville** — Belg. Congo
17750	16.90		50	**Boston** — U. S. A.
17760	16.89		50	**San Francisco** — U. S. A.
17760	16.89	VUD3	50	**Delhi** — India
17760	16.89	VUD8	7,5	**Delhi** — India
17765	16.87		25	**Muret** — France
17768	16.88			**Moscow** — U. S. S. R.
17770	16.88	PHI	5	**Hilversum** — Holland
17770	16.88		50	**Dixon** — U. S. A.
17770	16.88	ZOJ	7,5	**Colombo** — Ceylon
17780	16.87		100	**Allouis** — France
17780	16.87		50	**Bound Brook** — U. S. A.
17780	16.87	WBOS	50	**Boston** — U. S. A.
17784	16.87	HER7	25	**Schwarzenburg** — Switzerland
17790	16.86	GSG	50	**London** — Gt. Britain
17800	16.85	KRHO	100	**Honolulu** — Hawai
17800	16.85		75	**Cincinnati** — U. S. A.
17800	16.85	VLA7	100	**Shepparton** — Australia
17800	16.85	VLB7	100	**Shepparton** — Australia
17800	16.85	OIX5	15	**Helsinki III** — Finland
17810	16.84	GSV	50	**London** — Gt. Britain
17810	16.84		100	**Allouis** — France
17820	16.84	CKNC	50	**Sackville** — Canada
17830	16.83	OLR5B	34	**Podebrady** — Czechosl.
17830	16.83		50	**Brentwood** — U. S. A.
17830	16.83		50	**Wayne** — U. S. A.
17830	16.83	LRA5	10	**Buenos Aires** — Arg.
17830	16.83	VUD10	20	**Delhi** — India

kc/s	Metres	kW	Station	
17840	16.82	VLC9	50	**Shepparton** — Australia
17840	16.82	VLA10	100	**Shepparton** — Australia
17840	16.82		1,5	**Athlone** — Eire
17840	16.83	HVJ	50	**Vatican City** — Italy
17840	16.82	FXI	7	**Brazzaville** — Arg.
17845	16.85	ORK	5	**Ruyselede** — Belgium
17850	16.81	PRL9	50	**Rio de Janeiro** — Brazil
17850	16.81		50	**Delano** — U. S. A.
17850	16.81	TPB	25	**Muret** — France
17860	16.80			**U. S. S. R.**
17880	16.78		50	**Schenectady** — U. S. A.
17880	16.78		100	**Dixon** — U. S. A.
17955	61.71		75	**Cincinnati** — U. S. A.
18025	16.64	GRQ	50	**London** — Gt. Britain
18080	16.59	GVO	50	**London** — Gt. Britain
18130	16.55	GRP	50	**London** — Gt. Britain
18160	16.52		50	**Bound Brook** — U. S. A.
18390	16.31		75	**Cincinnati** — U. S. A.
18450	16.26	HBF	26	**Schwarzenburg** — Switz.
18600	16.12	PLE3	2,5	**Batavia** — Java
19345	15.50	PLF2	2,5	**Batavia** — Java
		13 METRE BAND		
21000	14.29	FXI	0,8	**Brazzaville** — Fr. Eq. A.
21450	13.99	ORL6A	34	**Podebrady** — Czechosl.
21450	13.98		5	**Ruyselede** — Belgium
21460	13.98		50	**Boston** — U. S. A.
21470	13.97	GSH	50	**London** — Gt. Britain
21490	13.96		50	**San Francisco** — U. S. A.
21490	13.96		100	**Allouis** — France
21500	13.95		50	**Schenectady** — U. S. A.
21500	13.95		50	**Wayne** — U. S. A.
21510	13.95	VUD8	7,5	**Delhi** — India
21520	13.94		50	**Brentwood** — U. S. A.
21520	13.94		50	**Wayne** — U. S. A.
21530	13.93	GSJ	50	**London** — Gt. Britain
21540	13.93	VLR5	2	**Melbourne** — Australia
21540	13.93	VLB5	100	**Shepparton** — Australia
21540	13.93	WBOS	50	**Boston** — U. S. A.
21550	13.92	GST	50	**London** — Gt. Britain
21550	13.92	OIX6	1	**Lahti** — Finland
21565	13.91	OLR6A	34	**Podebrady** — Czechosl.
21570	13.91		50	**Brentwood** — U. S. A.
21570	13.91		50	**Wayne** — U. S. A.
21590	13.90		50	**Schenectady** — U. S. A.
21600	13.89	VLA9	100	**Shepparton** — Australia
21600	13.89	VLB8	100	**Shepparton** — Australia
21600	13.89	CKRP	50	**Sackville** — Canada
21610	13.88		50	**Bound Brook** — U. S. A.
21610	13.88		50	**Dixon** — U. S. A.
21610	13.88		50	**San Francisco** — U. S. A.
21630	13.87		50	**Bound Brook** — U. S. A.
21640	13.86	GRZ	50	**London** — Gt. Britain
21640	13.86	OLR6A	34	**Podebrady** — Czechosl.
21650	13.86		75	**Cincinnati** — U. S. A.
21675	13.84	GVR	50	**London** — Gt. Britain
21680	13.84	VLC10	50	**Shepparton** — Australia
21710	13.82	CHLA	50	**Sackville** — Canada
21710	13.82	GVS	50	**London** — Gt. Britain
21720	13.81		7,5	**Singapore** — Malaya
21730	13.81		50	**Bound Brook** — U. S. A.
21740	13.80		100	**Allouis** — France
		11 METRE BAND		
21750	13.79	GVT	50	**London** — Gt. Britain
25600	11.72		50	**Boston** — U. S. A.
25750	11.65	GSQ	50	**London** — Gt. Britain
26100	11.49	GSK	50	**London** — Gt. Britain
26400	11.36	GSR	50	**London** — Gt. Britain
26550	11.30	GSS	50	**London** — Gt. Britain

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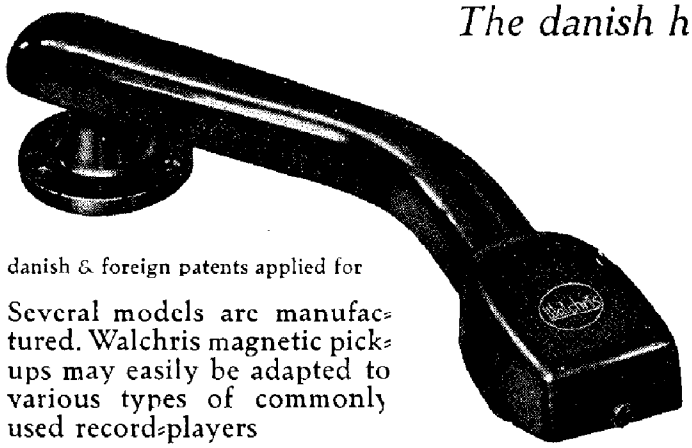

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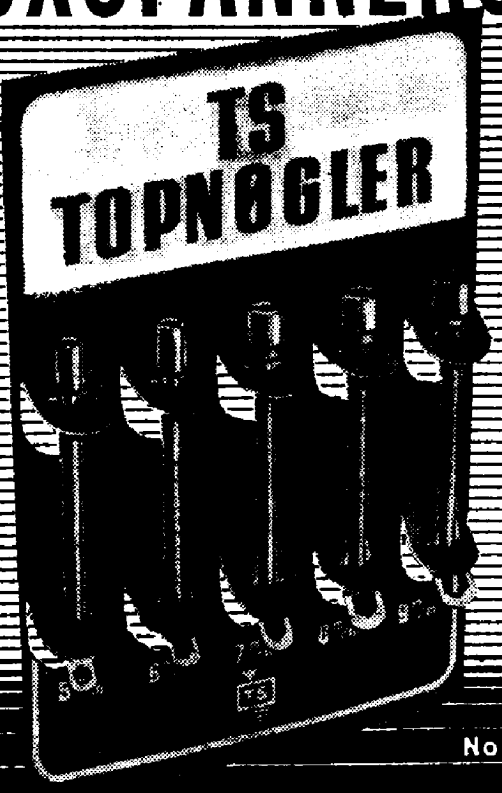

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